ORDER NO. MD9707062C8-1

Service Manual

CD Stereo System

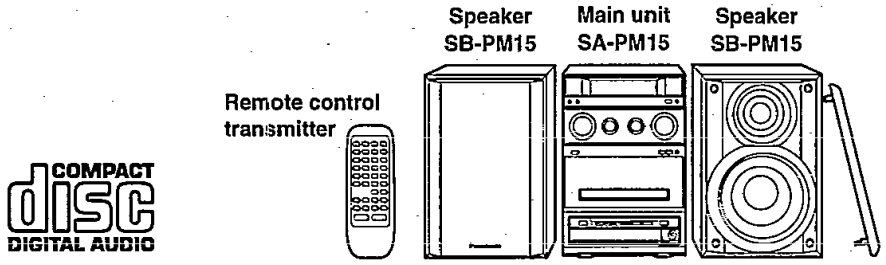
CD Stereo System

SA-PM15

Discard the SA-PM15 Service Manual issued as a provisional edition (Order No. MD9707062C8), and in place of it, use the subject Service Manual.

Colour
(S).....Silver Type

Areas
(E) ..... Europe.
(EB) ..... Great Britain.
(EG)..... Germany.
(GN) ..... Oceania.



COMPACT disc DIGITAL AUDIO

System: SC-PM15

Main unit	SA-PM15
Speakers	SB-PM15

Specifications (DIN 45 500)

AMPLIFIER SECTION

RMS power output	
THD 10 %, both channels driven	
LOW	14 W per channel (6 Ω)
HIGH	6 W per channel (6 Ω)
Total BI-AMP power	20 W per channel
Input sensitivity	
AUX	250 mV
Input impedance	
AUX	47 kΩ
Output impedance	
Headphones	16 – 32 Ω

FM TUNER SECTION

Frequency range	87.50 – 108.00 MHz
Sensitivity	
S/N 26 dB	1.5 µV
Antenna terminal(s)	75 Ω (unbalanced)

AM TUNER SECTION

Frequency range	522 – 1629 kHz
Sensitivity	
S/N 20 dB	500 µV/m

CASSETTE DECK SECTION

Track system	4 track, 2 channel
Heads	
Record/playback	Solid permalloy head
Erasure	Double gap ferrite head
Motor	DC servo motor
Recording system	AC bias 100 kHz
Erasing system	AC erase
Tape speed	4.8 cm/s
Frequency response (–3, +3 dB)	
Normal (TYPE I)	50 Hz – 13 kHz
HIGH (TYPE II)	50 Hz – 13 kHz
S/N	52 dB (A weighted)
Wow and flutter	0.18 % (WRMS)
Fast forward and rewind times	Approx. 120 seconds with C-60 cassette tape

CD SECTION

Sampling frequency	44.1 kHz
Decording	16 bit linear
Beam source/wave length	Semiconductor laser / 780 nm
Number of channels	Stereo
S/N	
SP OUT	82 dB (JIS.A)
Wow and flutter	Below measurable limit
Digital filter	8 fs
D/A converter	MASH (1 bit DAC)

GENERAL

Power supply	
For (E) and (EG) areas	AC 220 – 230 V, 50 Hz
For (EB) area	AC 230 – 240 V, 50 Hz
Power consumption	66 W
Dimensions (W × H × D)	195 × 287 × 296 mm
Weight	4.9 kg

Notes:
1. Design and specifications are subject to change without notice. Weight and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

MASH is a trademark of NTT

⚠WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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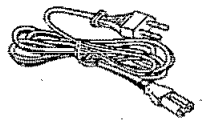
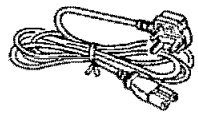
■ Accessories

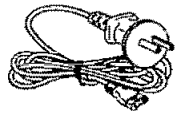
- AC power supply cord
  (E) and (EG) areas : (RJA0019-2K) 1



(EB) area : (VJA0733) 1



(GN) area : (RJA0036-A) 1

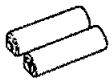


- FM indoor antenna
  (E), (EB) and (EG) areas : (RSA0007) .. 1
  (GN) area : (RSA0006) 1

- AM loop antenna set
  (RSA0022) 1

- Remote control transmitter
  (EUR644851) 1

- Batteries for remote control transmitter
  (UM-4, "AAA", R03) 2
  Note: These are available on sales route.



■ Before Repair

(1) Turn off the power supply. Using a 10 Ω, 10 W resistor, connect both ends of power supply capacitors (C701, C702) in order to discharge the voltage.

(2) Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50 Hz in NO SIGNAL mode should be shown below with respect to supply voltage 230 V.

Power supply voltage	AC 230 V, 50 Hz
Consumed current	Less than 200 mA

■ Protection Circuitry

The protection circuitry may have operated if either of the following conditions is noticed:

- No sound is heard when the power is switched ON.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.

If this occurs, follow the procedure outlined below:

1. Switch OFF the power.
2. Determine the cause of the cause of the problem and correct it.
3. Switch ON the power once again.

Note:

When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

CAUTION:
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

■ Handling Precautions for Traverse Deck

The laser diode in the traverse deck (optical pickup) may break down due to potential difference caused by static electricity of clothes or human body.
So, be careful of electrostatic breakdown during repair of the traverse deck (optical pickup).

• Handling of traverse deck (optical pickup)

1. Do not subject the traverse deck (optical pickup) to static electricity as it is extremely sensitive to electrical shock.
2. To protect the laser diode against electrostatic breakdown, short the flexible board (FFC board) with a clip or similar object.
3. Take care not to apply excessive stress to the flexible board (FFC board).
4. Do not turn the variable resistor (laser power adjustment). It has already been adjusted.

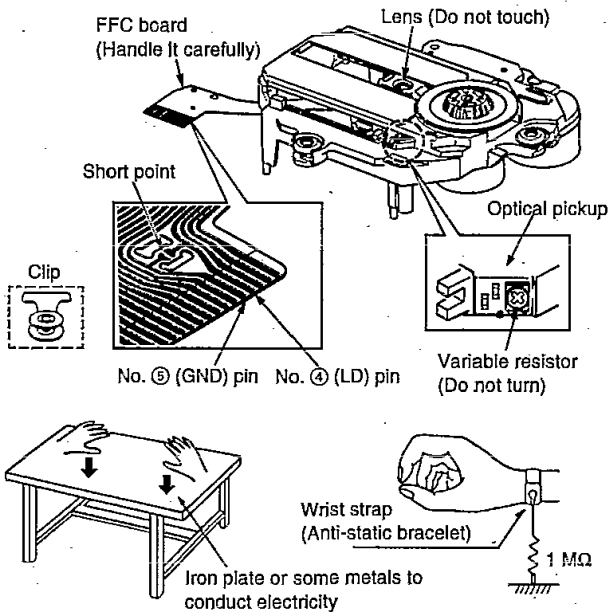
• Grounding for electrostatic breakdown prevention

1. Human body grounding
   Use the anti-static wrist strap to discharge the static electricity from your body.
2. Work table grounding
   Put a conducive material (sheet) or steel sheet on the area where the traverse deck (optical pickup) is placed, and ground the sheet.

Caution:
The static electricity of your clothes will not be grounded through the wrist strap. So, take care not to let your clothes touch the traverse deck (optical pickup).

Caution when Replacing the Traverse Deck:

The traverse deck has a short point shorted with solder to protect the laser diode against electrostatic breakdown. Be sure to remove the solder from the short point before making connections.

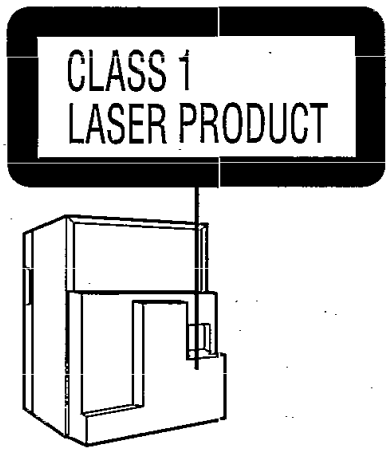


■ Precaution of Laser Diode

CAUTION: This product utilizes a laser diode with the unit turned "on", invisible laser radiation is emitted from the pick up lens.
Wave length: 780 nm
Maximum output radiation power from pick up: 100 µW/VDE

Laser radiation from the pick up unit is safety level, but be sure the followings:

1. Do not disassemble the pick up unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pick up unit. It was already adjusted.
3. Do not lock at the focus lens using optical instruments.
4. Recommend not to lock at pick up lens for a long time.



DANGER	INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.	(Inside of product)
ADVARSEL	USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.	(Indersiden at apparatet)
VARO!	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.	(Tuotteen sisällä)
VARNING	OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.	(Apparatens insida)
ADVARSEL	USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SPERREMEKANISMEN BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.	(Produktets innside)
VORSICHT	UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.	(Im Inneren des Gerätes)

■ Caution for AC Main Lead

("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⓐ or the BSI mark ⓚ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer..

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFETY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:
Blue: Neutral, Brown: Live.
As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N coloured Black or Blue.
The wire which is coloured Brown must be connected to the terminal which is marked with letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF–KEEP DRY.

Before use

Removal the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

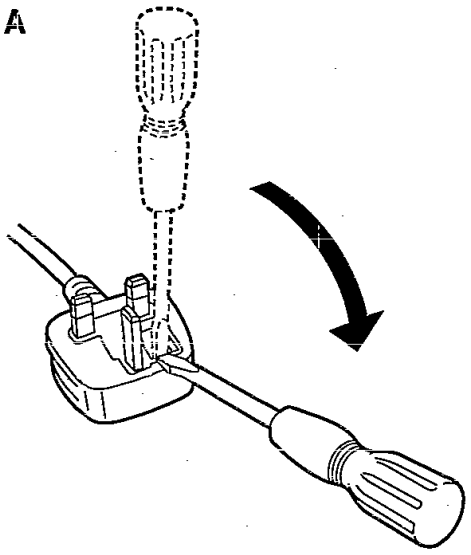
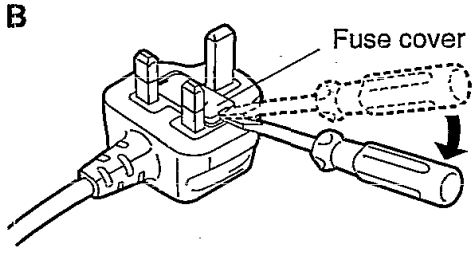


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

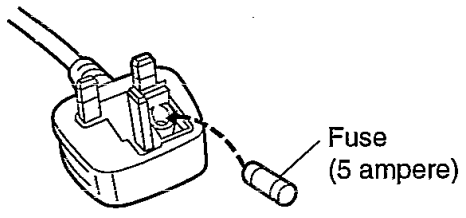
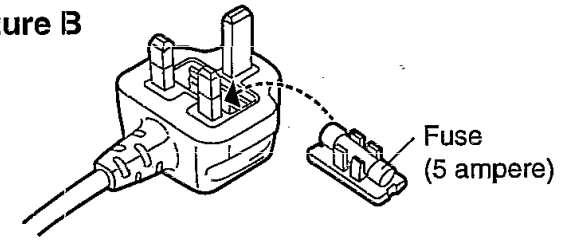
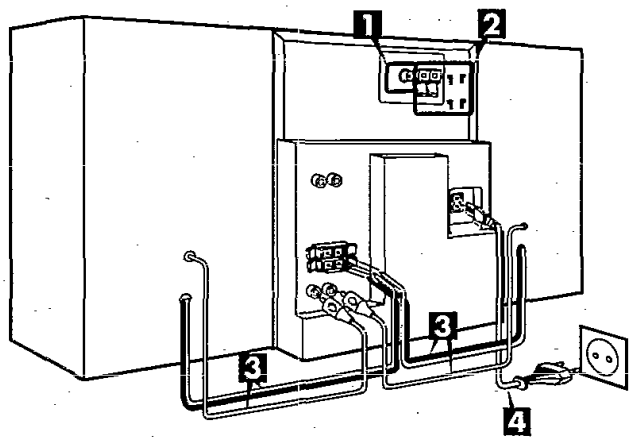
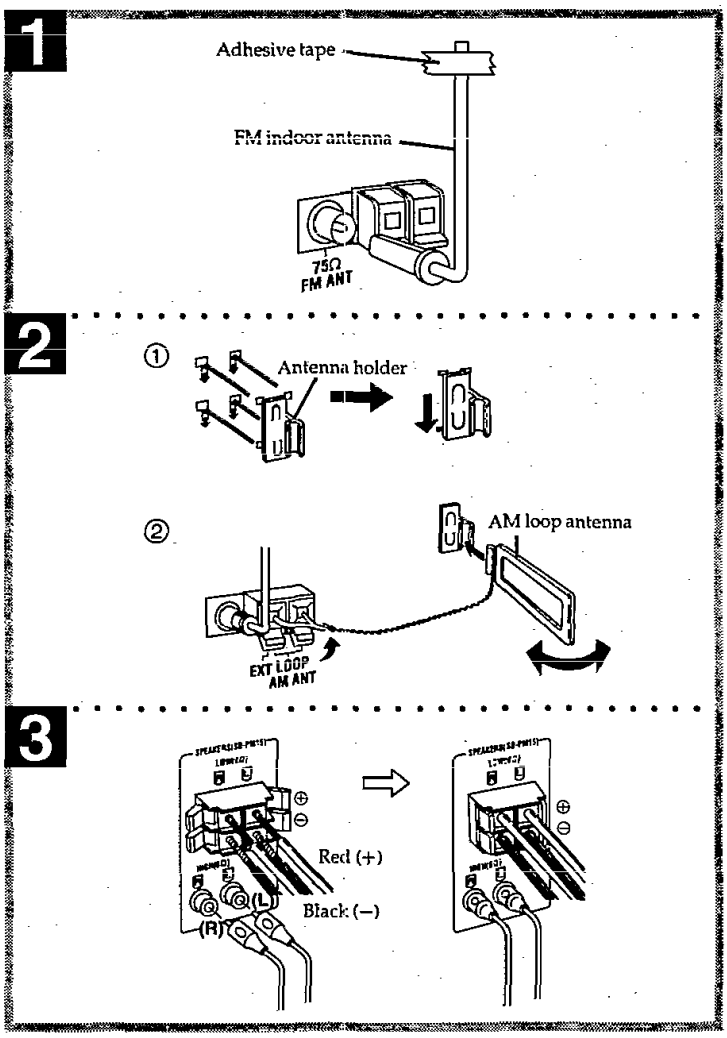


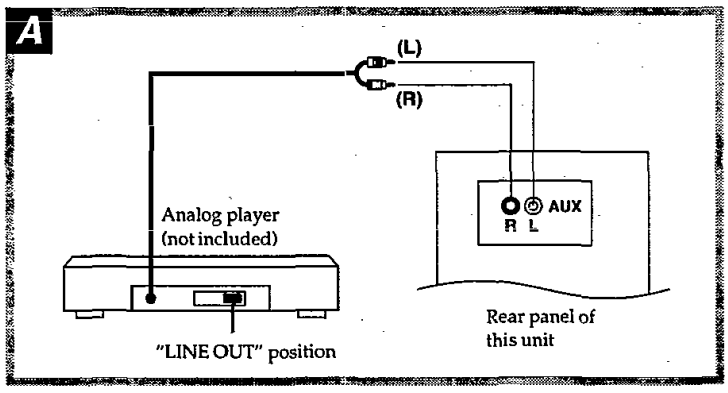
Figure B



■ Connections







- Plug the AC power cord into a household AC outlet only after all other connections have been made.
- To prepare the AM loop antenna wire and speaker cords, twist the vinyl cover tip and pull off.
- For your listening pleasure, keep your speakers from touching the system.
- Speakers are designed identically so that no left or right channel orientation is necessary.
- You can take the front net off speakers.

1 Connect the FM indoor antenna.

Tape the antenna to a wall or column, in a position where radio signals are received with the least amount of interference.

Note

For best reception sound quality:
An FM outdoor antenna is recommended.

2 Connect the AM loop antenna.

After attaching the antenna, turn on the system and tune in a broadcast station. Then, turn the antenna to the angle of best reception and least interference.

3 ① Connect the right (R) and left (L) speaker cords (pin type).
② Connect the right (R) and left (L) speaker cables.

Note

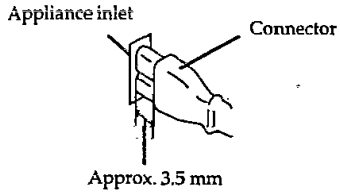
- To prevent damage to circuitry, never short-circuit positive (+) and negative (–) speaker wires.
- Be sure to connect only positive (red) wires to positive (+) terminals and negative (black) wires to negative (–) terminals.

Caution
Use the speakers only with the recommended system.
Failure to do so may lead to damage to the amplifier and/or the speakers, and may result in the risk of fire.
Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.

4 Connect the AC power cord.

Insertion of Connector

Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing.
However there is no problem using the unit.

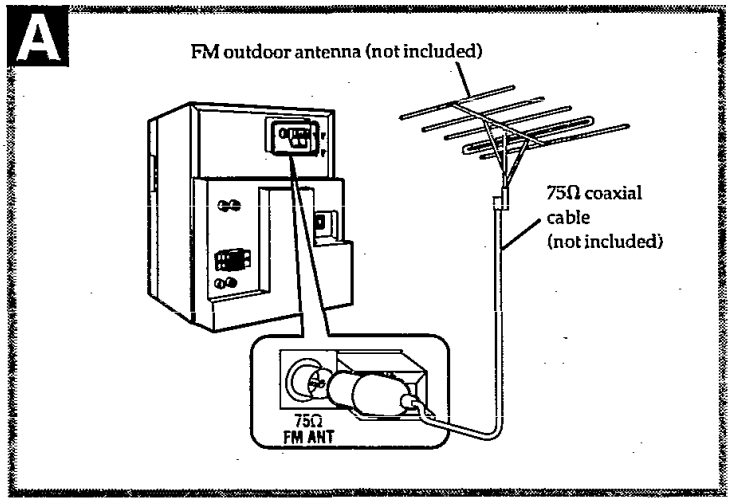


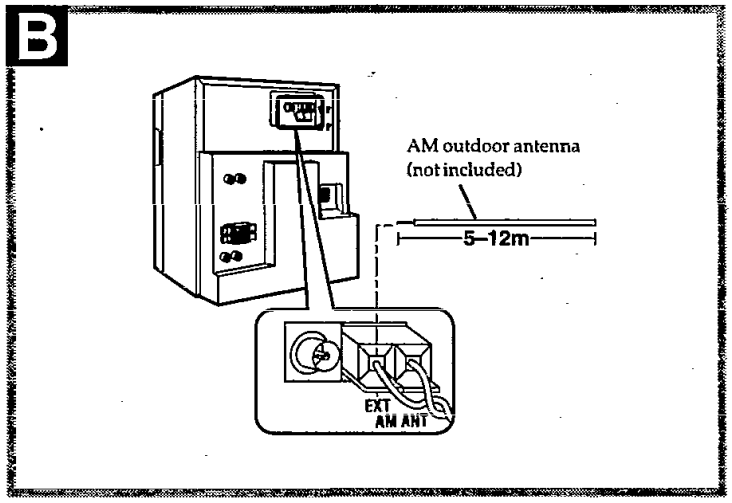
External unit connection A

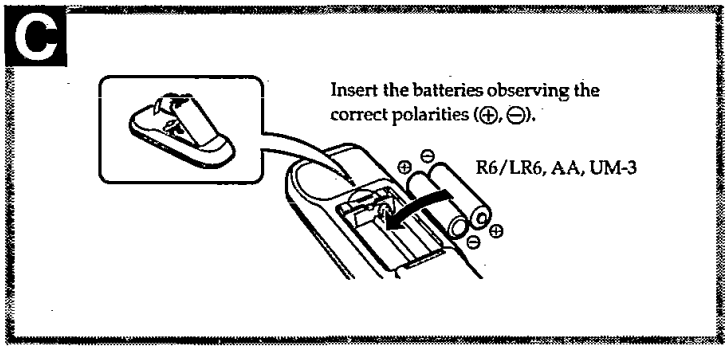
- For details, refer to the instruction manual of the units which are to be connected.
- This example shows how to connect the analog player with the PHONO OUT/LINE OUT switch.
- When units other than those described to the left are to be connected, please consult with your audio dealer.

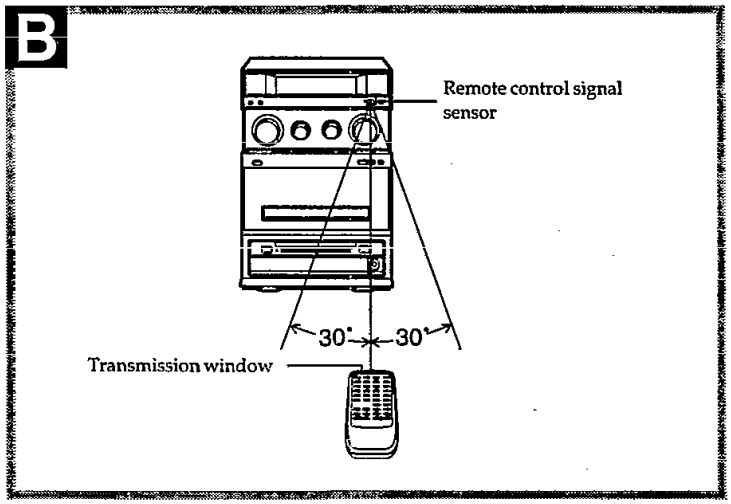
Note

- Only an analog player with a built-in phono equalizer can be connected.
- Set the switch to the "LINE OUT" position at the back of the analog player.









Optional antenna connections

You may need an outdoor antenna if you use this system in a mountainous region or inside a reinforced-concrete building, etc.

FM outdoor antenna A

Disconnect the FM indoor antenna if an FM outdoor antenna is installed.

Note

An outdoor antenna should be installed by a qualified technician only.

AM outdoor antenna B

Connect the outdoor antenna without removing the AM loop antenna. Run 5 to 12 m of vinyl-covered wire horizontally along a window or other convenient location.

Note

When the unit is not in use, disconnect the outdoor antenna to prevent possible damage that may be caused by lightning. Never use an outdoor antenna during an electrical storm.

■ Concerning the Remote Control

Battery installation C

Use of batteries

- Do not mix old and new batteries, or batteries of different types (manganese and alkaline, etc.).
- Never subject batteries to excessive heat or flame; do not attempt to disassemble them; and be sure they are not short-circuited.
- If the remote control is not to be used for a long period of time, remove the batteries and store them in a cool, dark place.
- Do not attempt to recharge alkaline or manganese batteries.
- Do not use rechargeable type batteries.

Battery life

The battery life is about one year.

The batteries should be replaced if commands from the remote control transmitter do not operate the unit even when the transmitter is held close to the front panel.

Correct method of use D

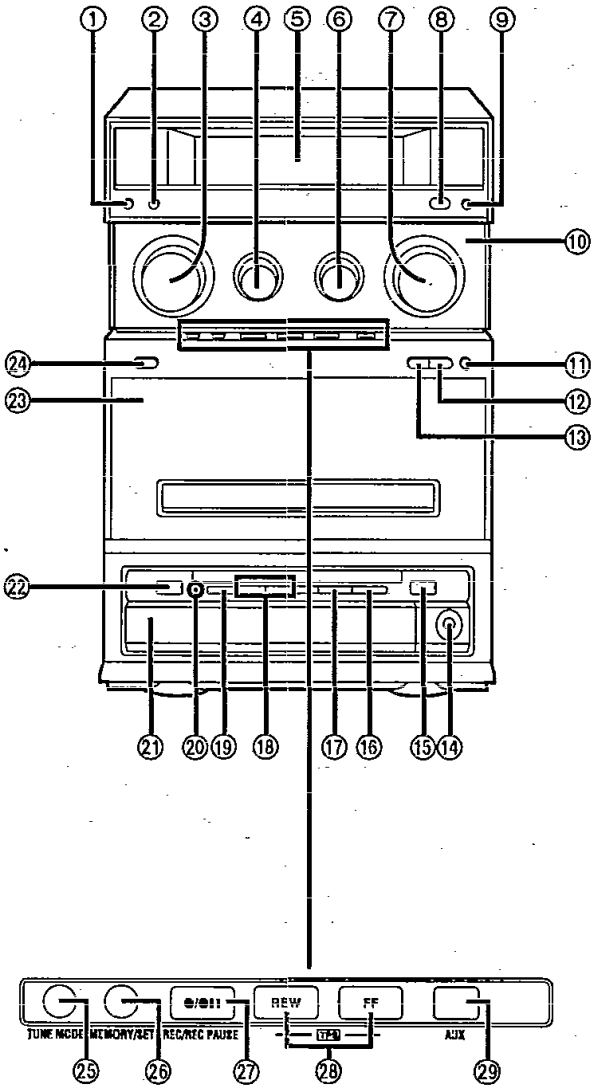
Operations notes

- Do not place obstacles between the remote control signal sensor and remote control unit.
- Do not expose the remote control signal sensor to direct sunlight or to the bright light of an invertor fluorescent light.
- Take care to keep the remote control signal sensor and end of the remote control unit free from dust.
- If this system is installed in a rack with glass doors, the glass doors' thickness or color might make it necessary to use the remote control a shorter distance from the system.

To prevent damage

- Do not place heavy items.
- Do not disassemble or reconstruct.
- Do not spill water or other liquids.

■ Front Panel Controls

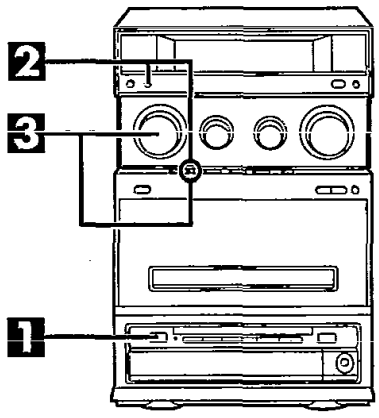


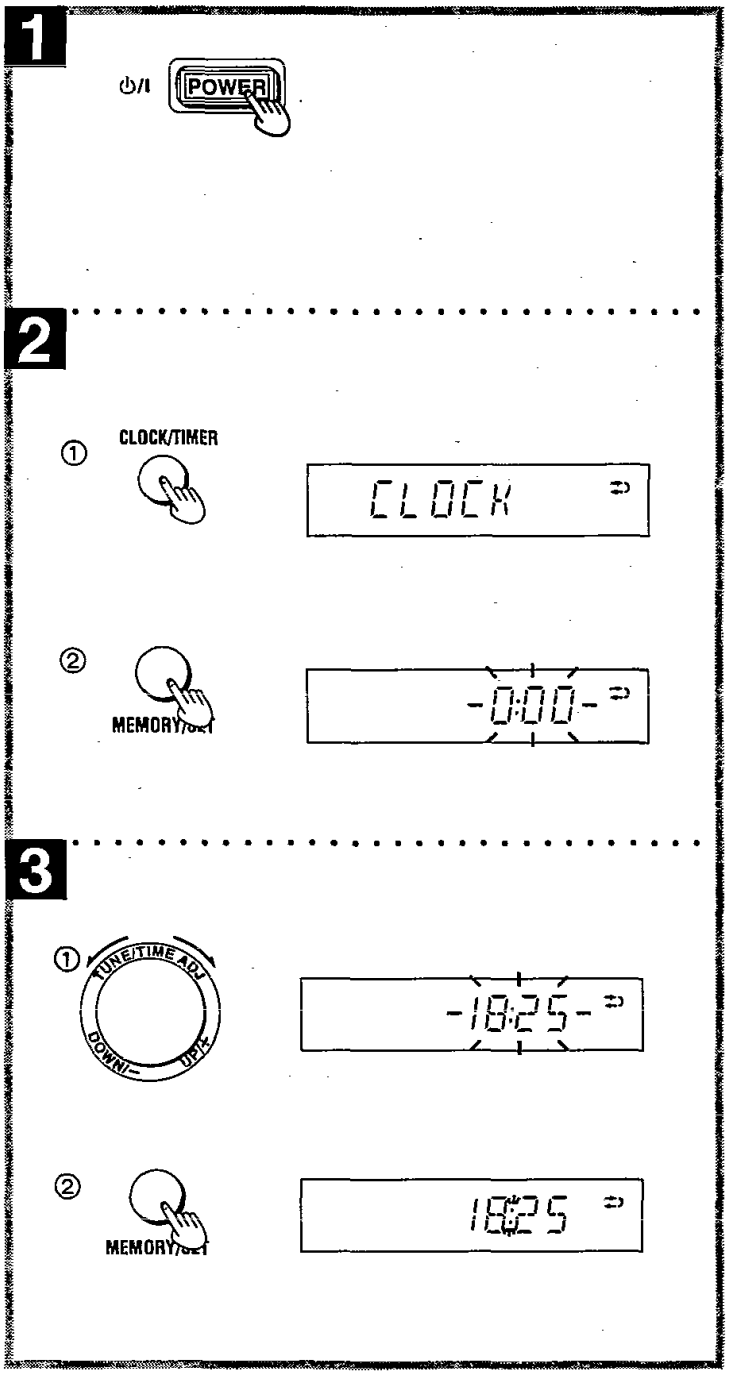
① Play timer/record timer button (⏲ PLAY/⏲ REC)
② Clock/timer button (CLOCK/TIMER)
③ Tune/time adjust control (TUNE/TIME ADJ)
④ Bass control (BASS)
⑤ Display
⑥ Treble control (TREBLE)
⑦ Volume control (VOLUME)
⑧ Remote control signal sensor
⑨ Glide panel open/close button (OPEN/CLOSE)
⑩ Glide panel
⑪ Cassette holder open button (▲ OPEN)
⑫ Cassette play/direction button (◀ ▶ PLAY/DIR)
⑬ Cassette stop button (■ STOP)
⑭ Headphone jack (∩)
⑮ CD tray open/close button (▲/CLOSE)
⑯ CD play/pause button (▶/❚❚ PLAY/PAUSE)
⑰ CD stop button (■ STOP)
⑱ Skip/search buttons (|◀◀ ▶▶| SKIP)
⑲ CD edit button (CD EDIT)
⑳ Power indicator
This indicator illuminates to indicate the power is supplied to this unit when the unit is connected to the household AC outlet.
㉑ CD tray
㉒ Power "⏻/I" switch (POWER, ⏻/I)
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
㉓ Cassette holder
㉔ Tuner/band select button (TUNER/BAND)
㉕ Tuning mode select button (TUNE MODE)
㉖ Memory/set button (MEMORY/SET)
㉗ Record/record pause button (●/● ❚❚ REC/REC PAUSE)
㉘ Fast forward/rewind/tape program sensor buttons (TPS REW FF)
㉙ AUX button (AUX)

Opening/closing the glide panel

When the power is turned on, the glide panel retracts automatically enabling access to the operation buttons (㉕–㉙).
When the power is turned off, the glide panel closes automatically.
If you want to open/close the glide panel manually, press OPEN/CLOSE (⑨) when the power is on. When the glide panel is closed manually, the display light dims.

■ Setting the Time





This is a 24-hour display clock.
This example in the figure shows how to set the time for 18:25.

1 Switch on the power.
The glide panel retracts enabling access to the operation buttons.

2 ① Press CLOCK/TIMER to select "CLOCK".
Every time you press the button;

CLOCK→⊙ PLAY→⊙ REC
↑—Previous display←—┘

② (within 5 seconds or so)
Press MEMORY/SET.

3 ① Turn TUNE/TIME ADJ to the right or left to show the present time.

② Press MEMORY/SET to finish setting the time.

The display will return to the previous display setting after about 4 seconds.

To display the time

- ***To check***

Press CLOCK/TIMER to select "CLOCK".
The time will be displayed for about 5 seconds and then the display will return to whatever was previously displayed.

- **To display the time continuously** by remote control only

Press DISPLAY to select present time.
Every time you press the button:
Present time——→Tape counter
↑——Previous display←——┘

For your reference

If the time has been set, the display will default to present time when in standby mode.

■ Operation Checks and Main Component Replacement Procedures

NOTE 1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.

2. For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.

3. Select items from the following index when checks or replacement are required.

• Contents

• Checking Procedures for each P.C.B. Page.

1. Checking for the main P.C.B., power supply P.C.B. and mechanism control P.C.B.. ..... 9,10.
2. Checking for the FL / tuner P.C.B.. ..... 10.
3. Checking for the CD servo P.C.B.. ..... 11.
4. Checking for the confirmation of the cassette mechanism operation. ..... 11,12.

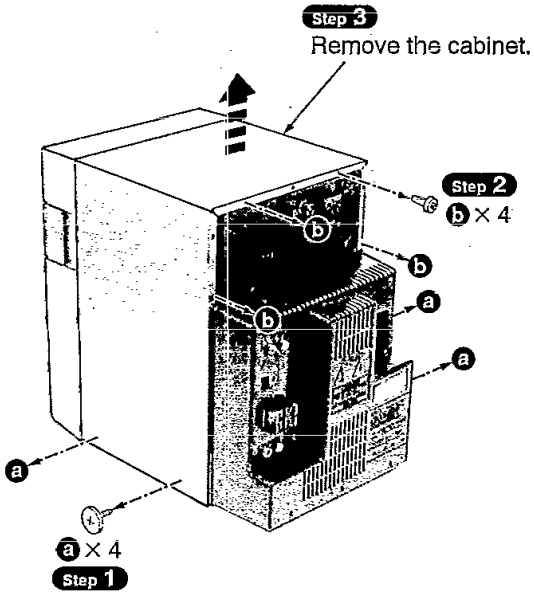
• Main Component Replacement Procedures

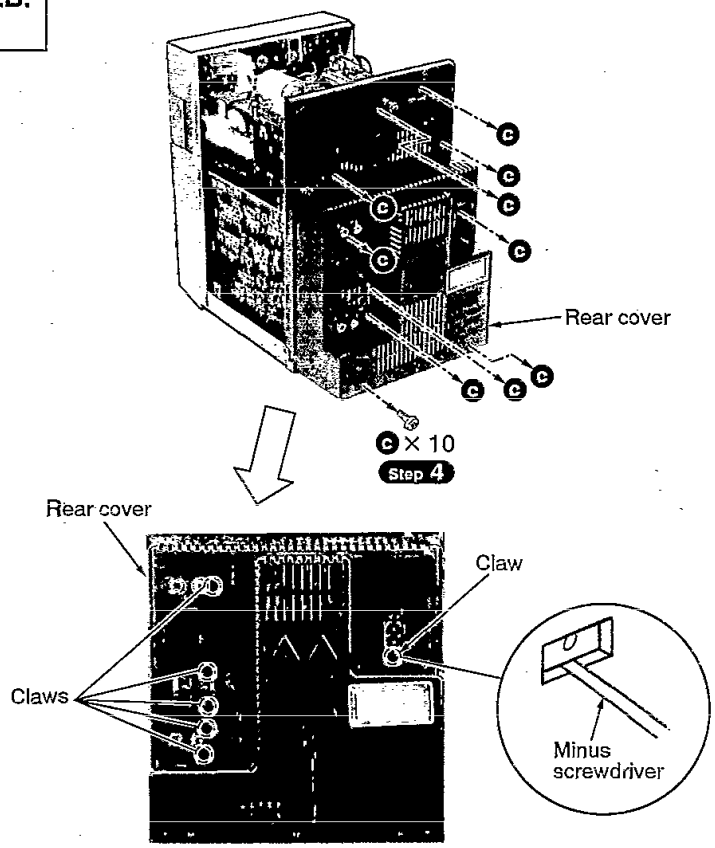
1. Replacement for the cassette lid. ..... 13.
2. Replacement for the traverse deck ass'y. ..... 13~15.
3. Replacement for the belt, loading motor ass'y and loading switch. ..... 16.
4. Replacement for the slide panel motor ass'y and belt. ..... 16.

• Measure for tape trouble ..... 17.

■ Checking Procedure for each P.C.B.

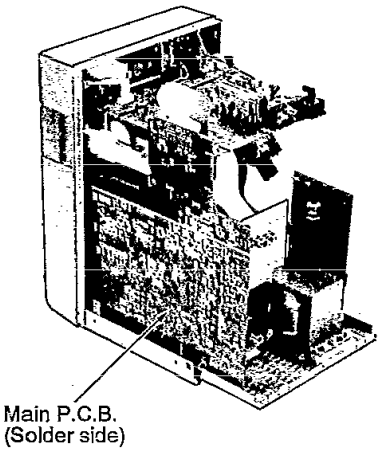
1. Checking for the main P.C.B., power supply P.C.B. and mechanism control P.C.B.



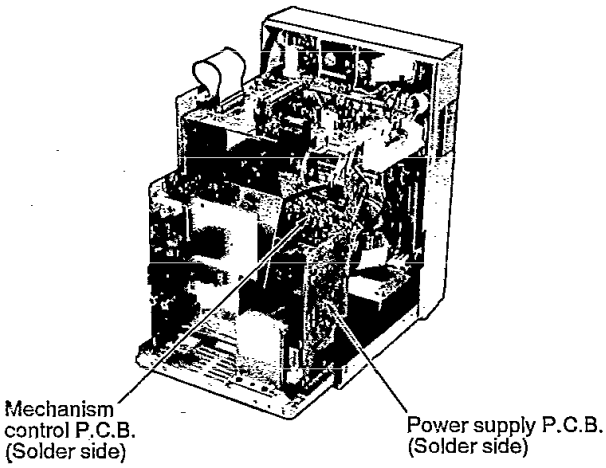


Step 5
Release the claws with thin tip of minus screwdriver, and then remove the rear cover.

• **Check the main P.C.B. as shown below.**



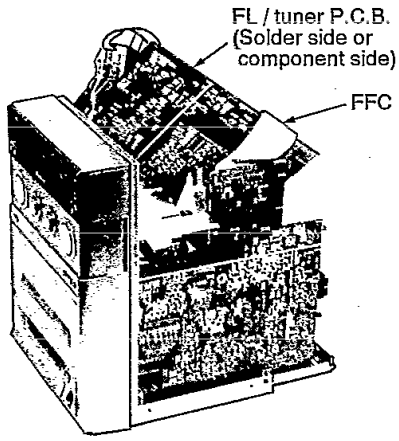
• **Check the power supply P.C.B. and mechanism control P.C.B. as shown below.**



2. Checking for the FL / tuner P.C.B.

• Follow the item 1 (Step 1 ~ Step 5) in checking procedures for each P.C.B. on page 9.

• **Check the FL / tuner P.C.B. as shown below.**

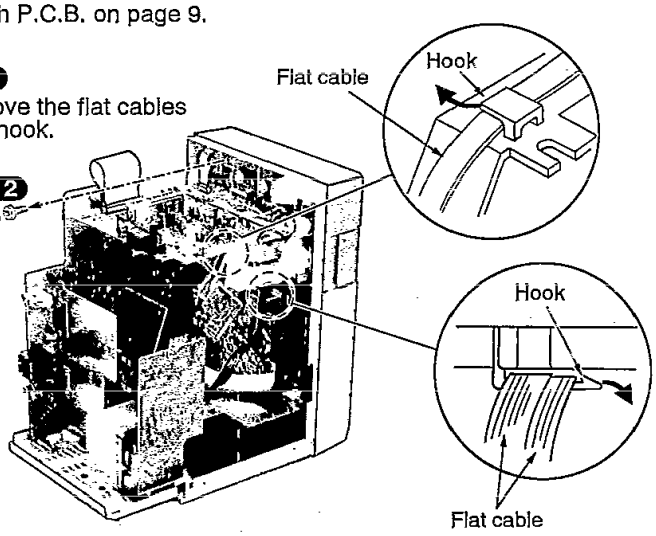


NOTE

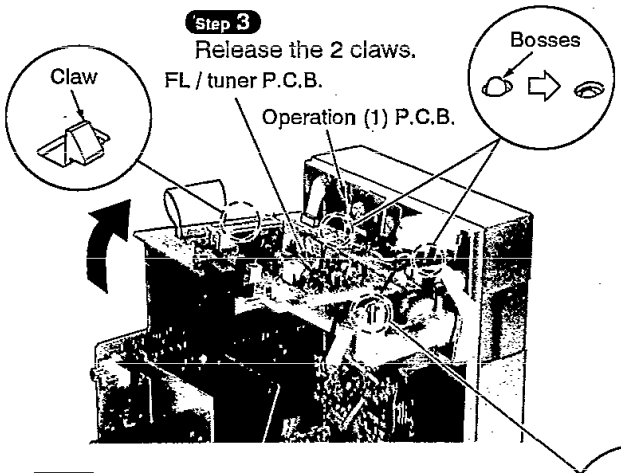
1. Do not bend the FFC.
2. Avoid damaging the FFC.

Step 1
Remove the flat cables from hook.

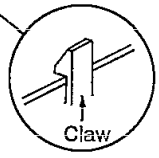
Step 2
a



Step 3
Release the 2 claws.

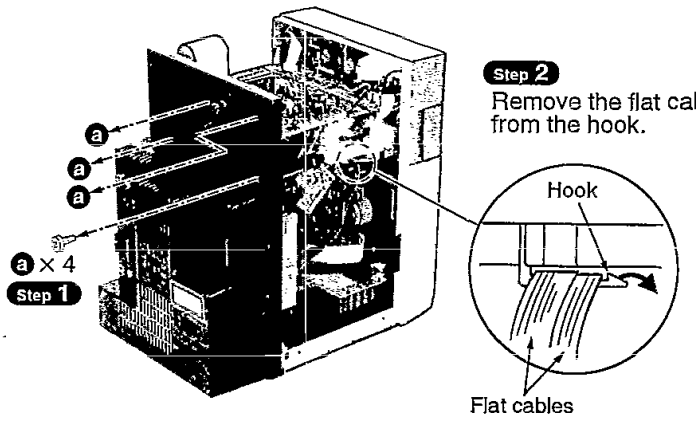


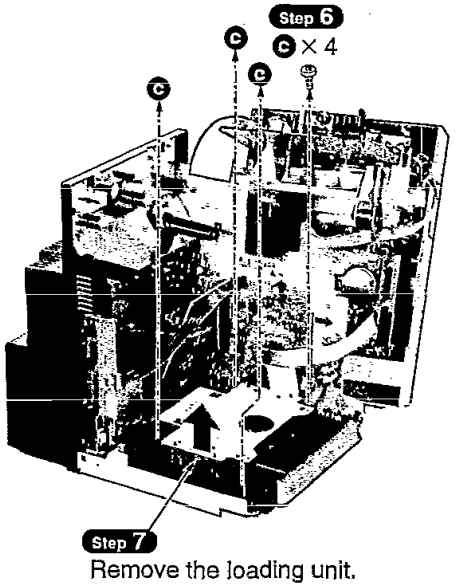
Step 4
Release the bosses with lifting the FL / tuner P.C.B., and then remove the FL / tuner P.C.B. and operation (1) P.C.B..

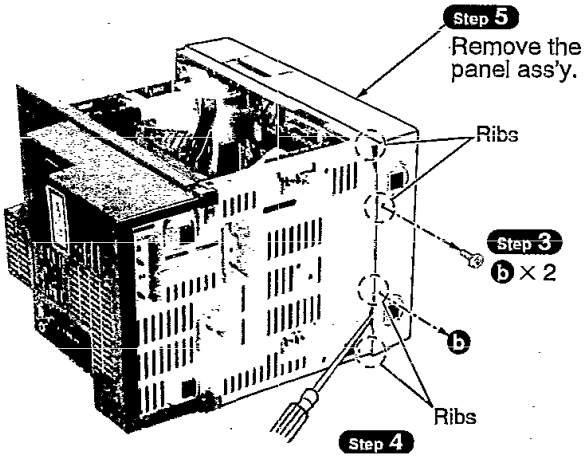


3. Checking for the CD servo P.C.B.

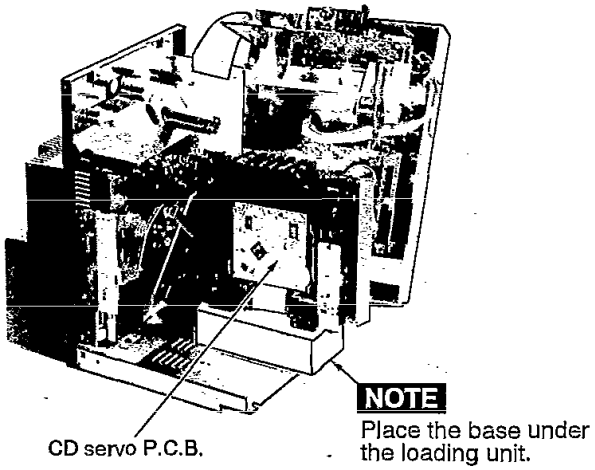
• Follow the item 1 (Step 1 ~ Step 3) in checking procedures for each P.C.B. on page 9.





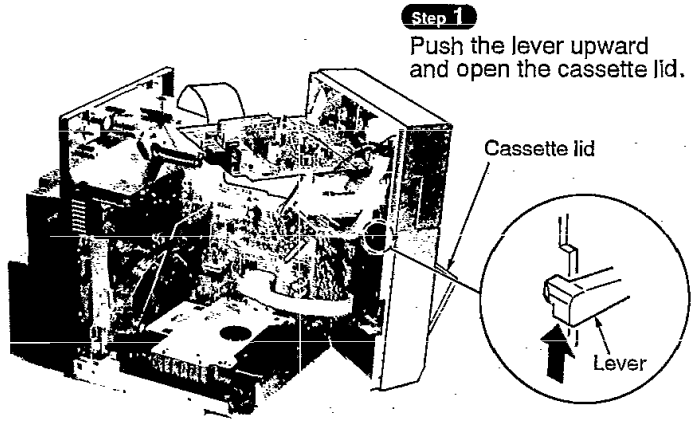


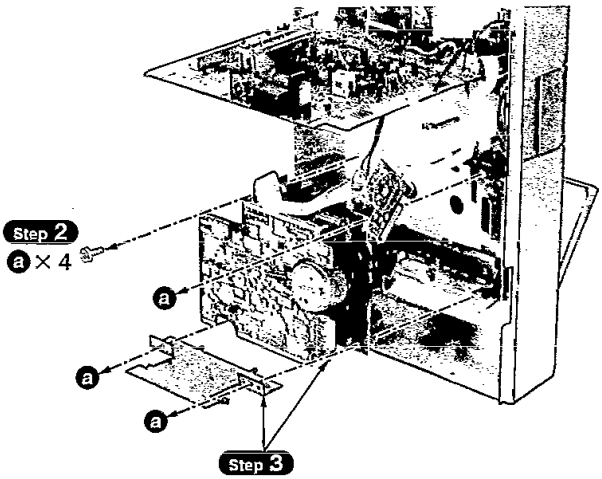
• **Check the CD servo P.C.B. as shown below.**



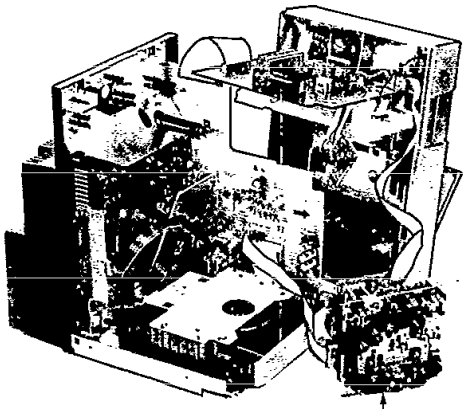
4. Checking for the confirmation of the cassette mechanism operation

• Follow the item 1 (Step 1 ~ Step 3) in checking procedures for each P.C.B. on page 9.
• Follow the item 3 (Step 1 ~ Step 5) in checking procedures for each P.C.B. on page 11.



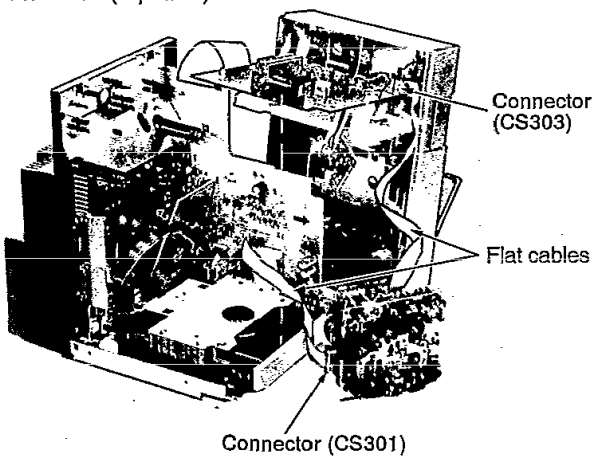


• **Check the cassette mechanism as shown below.**
(Push the cassette operation button and confirm each operation visually.)

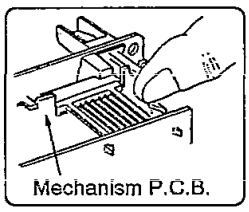


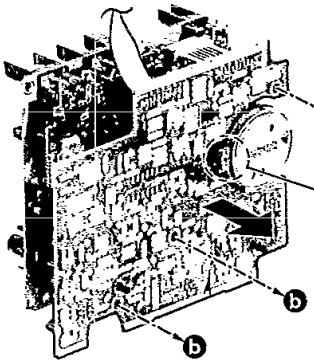
Removal of the mechanism control P.C.B. and mechanism P.C.B. for replacing parts.

Step 1
Remove the flat cables from the connectors (2 points).



NOTE
When removing the mechanism control P.C.B., remove it holding the mechanism P.C.B..



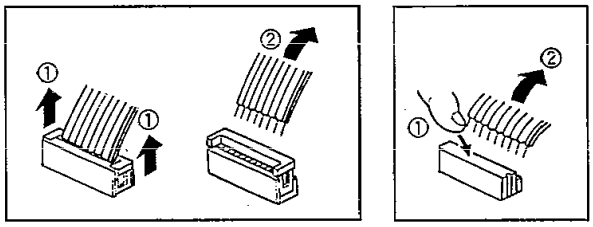


Step 2
b × 3

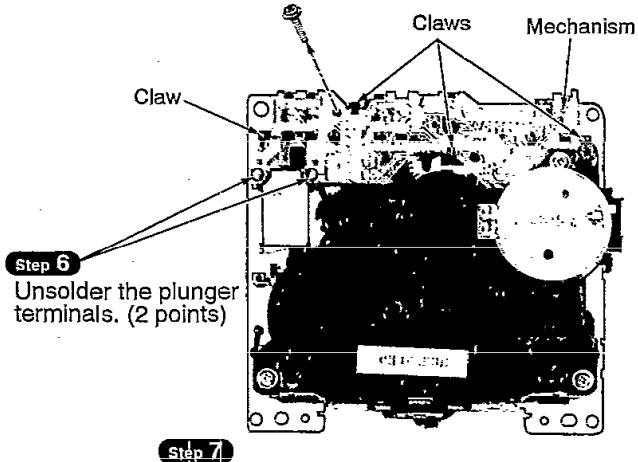
Step 3
Unsolder the motor terminals. (2 points)

Step 4
Remove the mechanism control P.C.B.
(The parts on the mechanism control P.C.B. can be replaced.)

• **Removal of the connector**
(CS303) **(CS301)**



Step 5
c



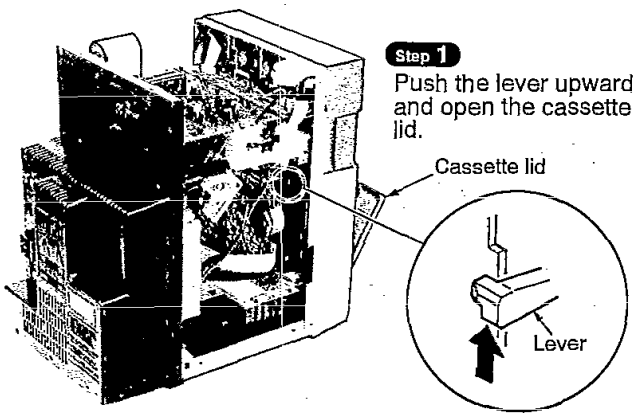
Step 6
Unsolder the plunger terminals. (2 points)

Step 7
Release the 4 claws, and then remove the mechanism P.C.B..
(The parts on the mechanism P.C.B. can be replaced.)

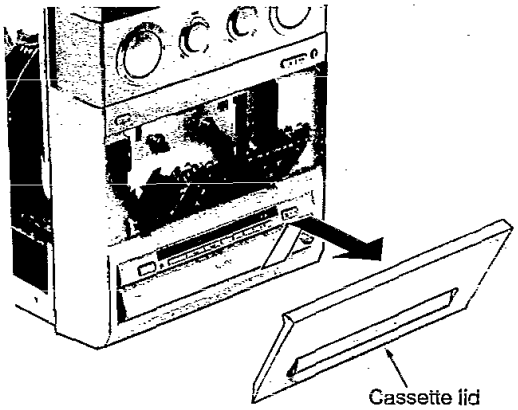
■ Main Component Replacement Procedures

1. Replacement for the cassette lid

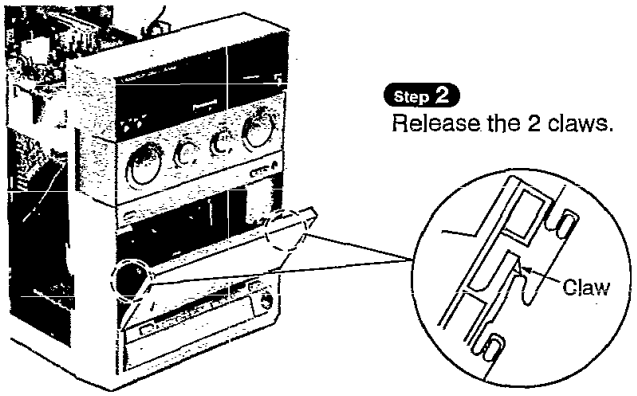
- Follow the item 1 (Step 1 ~ Step 3) in checking procedures for each P.C.B. on page 9.



Step 1
Push the lever upward and open the cassette lid.



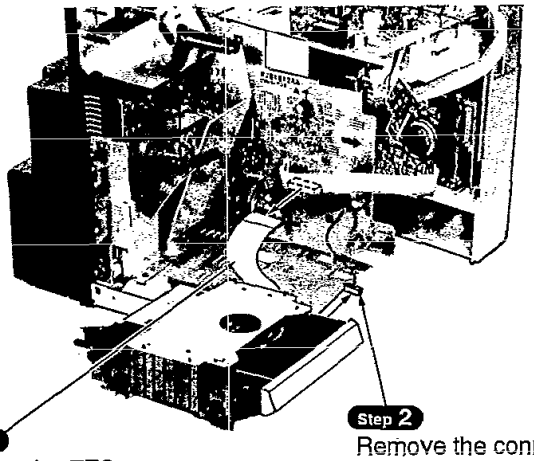
Step 3
Remove the cassette lid in the direction of arrow.



Step 2
Release the 2 claws.

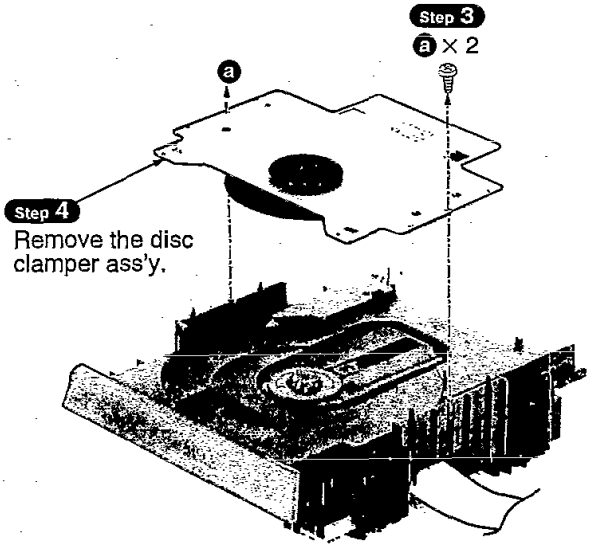
2. Replacement for the traverse deck ass'y

- Follow the item 1 (Step 1 ~ Step 3) in checking procedures for each P.C.B. on page 9.
- Follow the item 3 (Step 1 ~ Step 7) in checking procedures for each P.C.B. on page 11.



Step 1
Pull out the FFC.

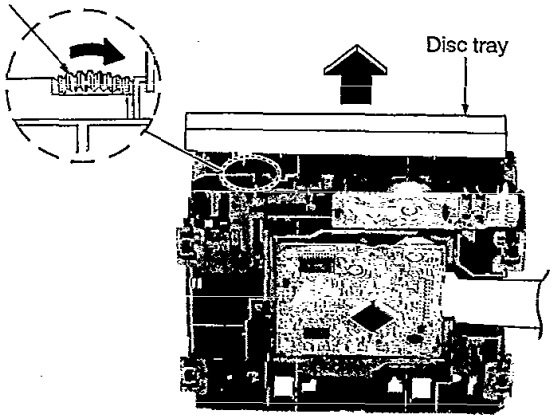
Step 2
Remove the connector.



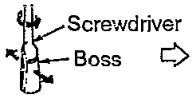
Step 3
ⓐ × 2

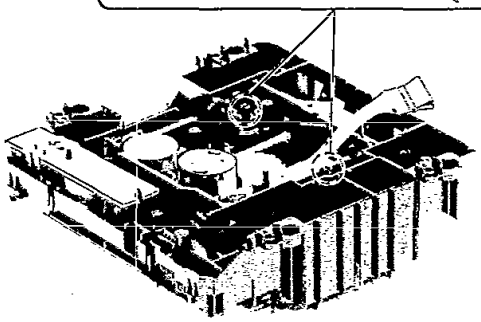
Step 4
Remove the disc clamper ass'y.

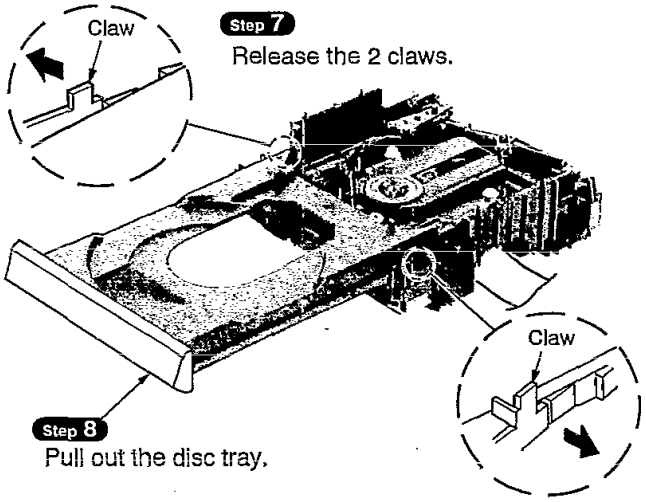
Step 6
Rotate the gear, and then pull out the disc tray.



Step 13
1.Widen the boss using a regular screwdriver.
2.Pull out the pin in the direction of the arrow.

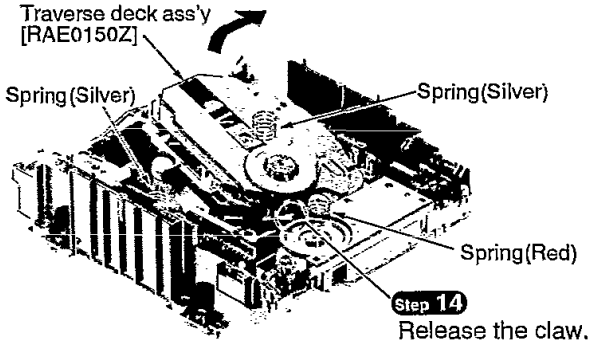






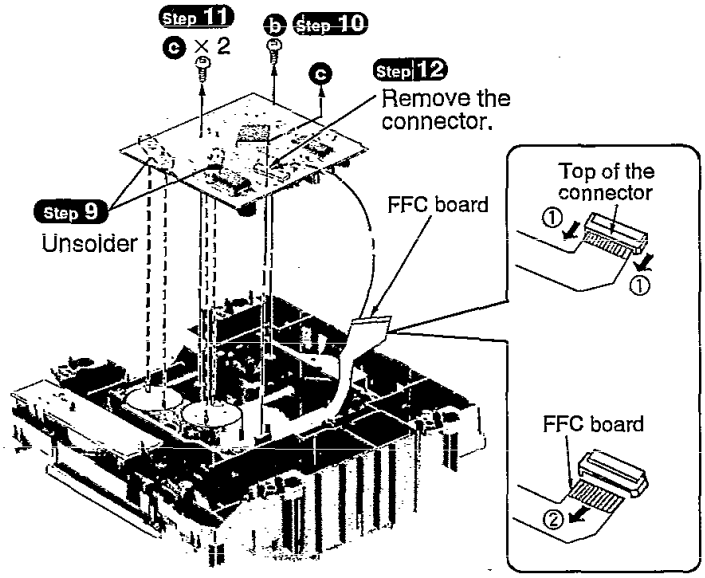
Step 7
Release the 2 claws.

Step 8
Pull out the disc tray.

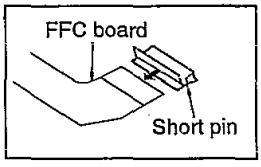


Step 14
Release the claw.

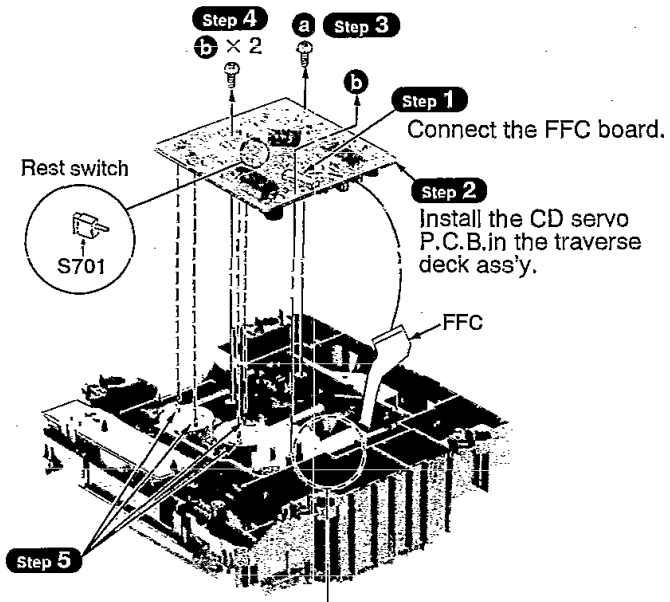
NOTE
Be careful not to lose the 3 springs because those will also be removed on removal of the traverse deck ass'y.

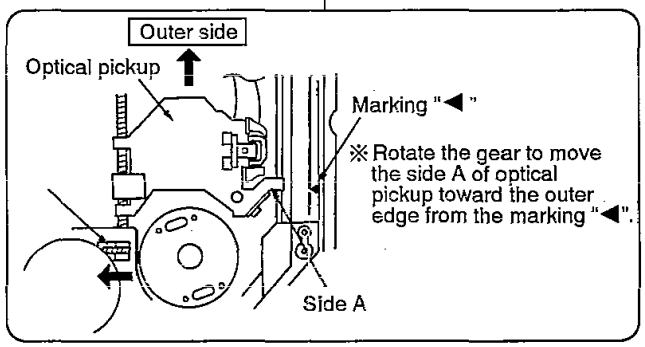


Caution:
Insert a short pin into the traverse unit FFC board.
(Refer to "Hnading Precautions for Traverse Deck" on page 3.)

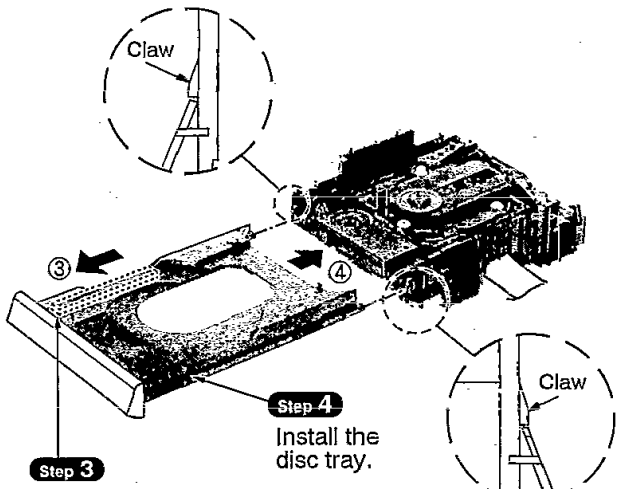


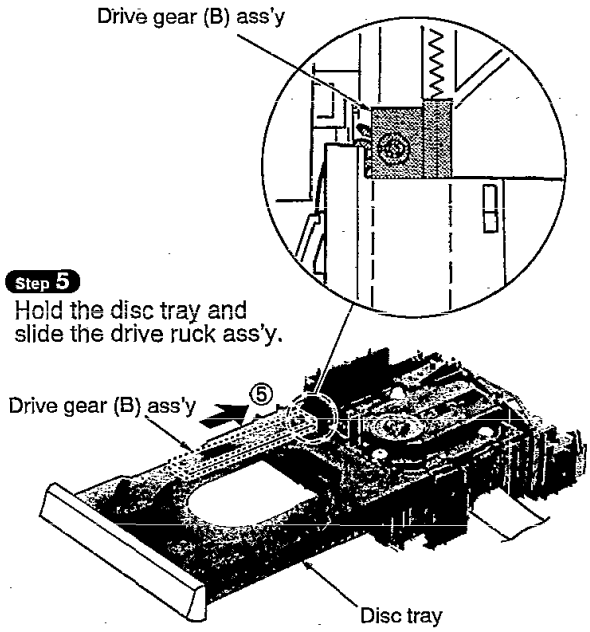
Installation of the CD servo P.C.B. after replacement



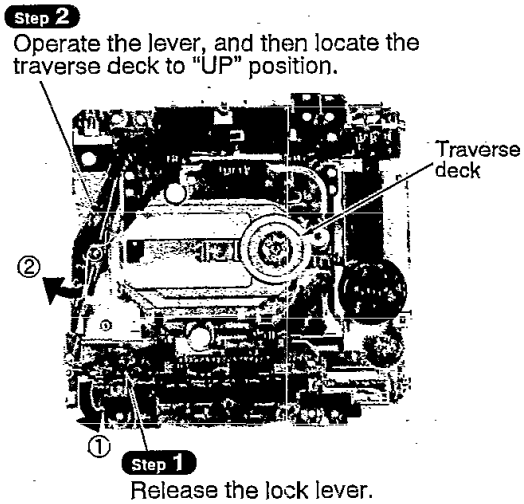

Outer side
Optical pickup
Marking "◀"
※Rotate the gear to move the side A of optical pickup toward the outer edge from the marking "◀".
Side A

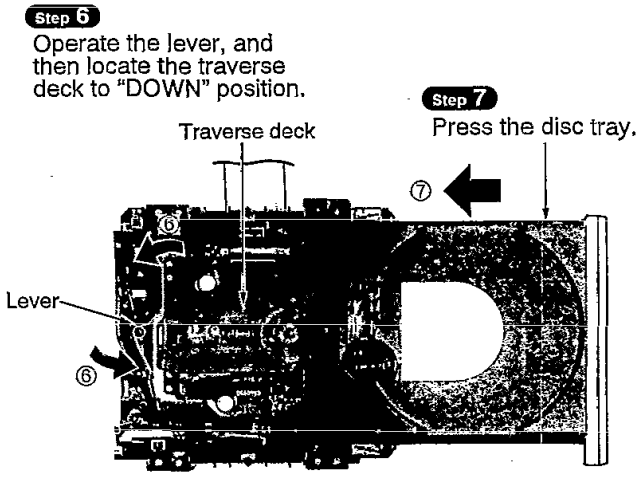
NOTE
Before installing the CD servo P.C.B., move the optical pickup toward the outer edge from the mark "▼". [Otherwise, the rest detect switch (S701) mounted on the CD servo P.C.B. may be damaged.]





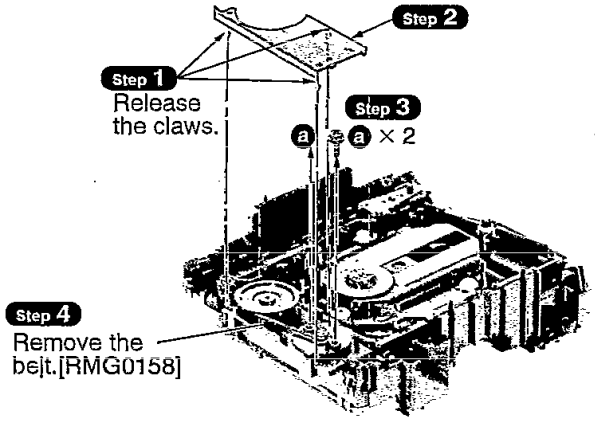
Installation of the disc tray after replacement

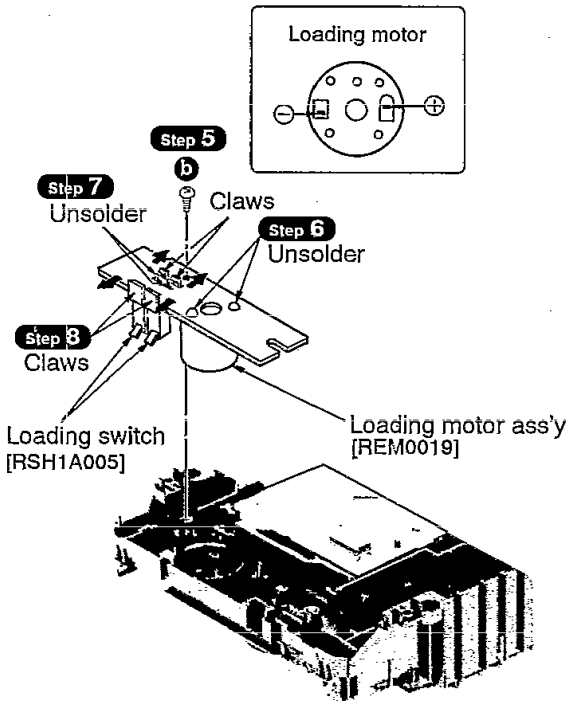




3. Replacement for the belt, loading motor ass'y and loading switch

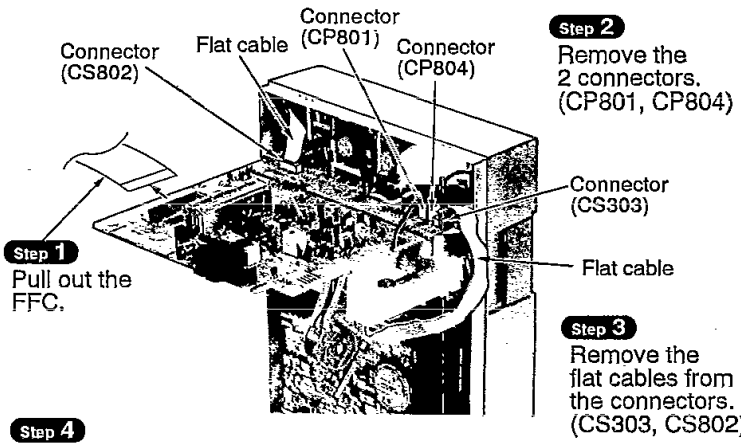
- Follow the item 1 (Step 1 ~ Step 3) in checking procedures for each P.C.B. on page 9.
- Follow the item 3 (Step 1 ~ Step 7) in checking procedures for each P.C.B. on page 11.
- Follow the item 2 (Step 1 ~ Step 8) in main component replacement procedures on pages 13 and 14.

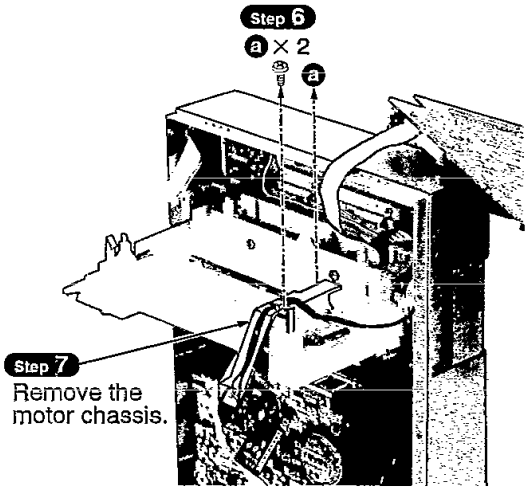




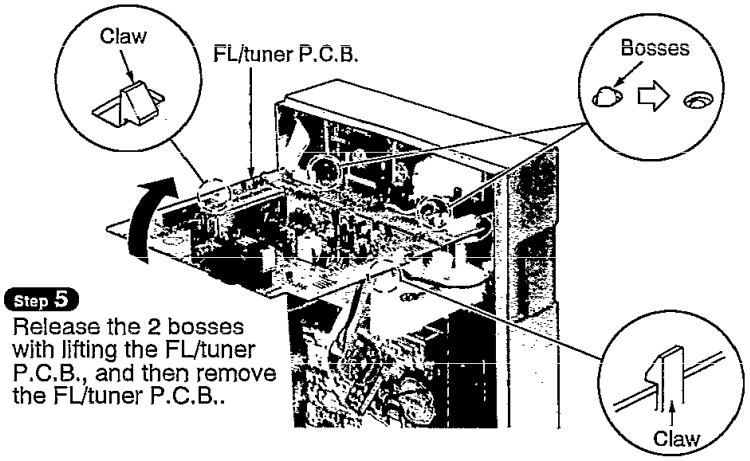
4. Replacement for the slide panel motor ass'y and belt.

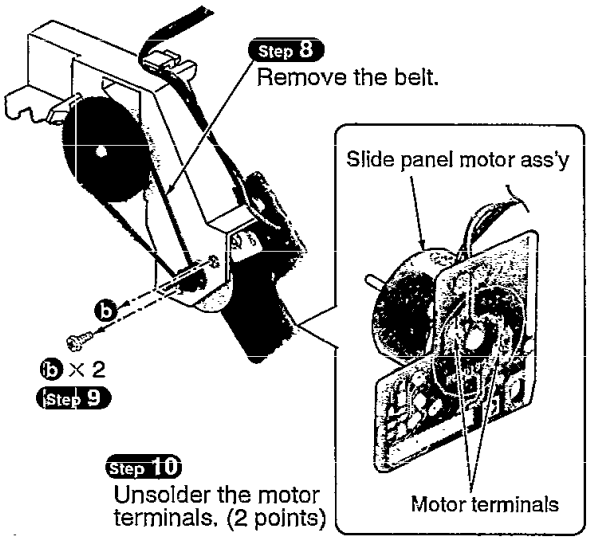
- Follow the item 1 (Step 1 ~ Step 3) in checking procedures for each P.C.B. on page 9.
- Follow the item 3 (Step 1 ~ Step 5) in checking procedures for each P.C.B. on page 11.



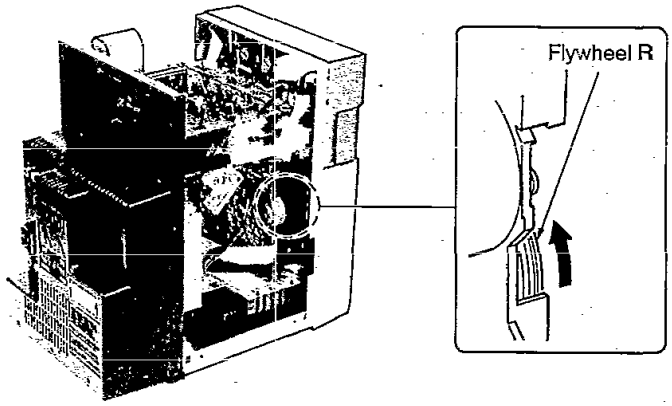


Step 4
Release the 2 claws.





■ Measure for tape trouble



• If a cassette tape cannot be removed from the deck since the tape is caught by the capstan or pinch roller during playback or recording, rotate the flywheel R in the direction of the arrow to remove the tape.

■ Schematic Diagram

	Page
A CD SERVO CIRCUIT	19, 20
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G OPERATION (1) CIRCUIT	26
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• This schematic diagram may be modified at any time with the development of new technology.

- S701 : CD rest switch.
- S790 : CD tray open detect switch.
- S791 : CD tray close detect switch.
- S801 : Tuner/band select switch. (TUNER/BAND)
- S802 : Tuning mode select switch. (TUNE MODE)
- S803 : Memory/set switch. (MEMORY/SET)
- S804 : Record/record pause switch. (●/●II REC/REC PAUSE)
- S805 : Rewind TPS switch. (REW/TPS)
- S806 : Fast forward switch. (FF/TPS)
- S807 : AUX switch. (AUX)
- S808 : Cassette stop switch. (■)
- S809 : Cassette play/direction switch. (◄ ►)
- S810 : Cassette holder open switch. (▲)
- S811 : Tuning/time adjust switch. (TUNE/TIME ADJ DOWN/–)
- S812 : Tuning/time adjust switch. (TUNE/TIME ADJ UP/ +)
- S813 : Glide panel open/close switch. (OPEN/CLOSE)
- S814 : Clock/timer switch. (CLOCK/TIMER)
- S815 : Play timer/record timer switch. (◴PLAY/◴REC)
- S816 : Power switch. (POWER)
- S817 : CD edit switch. (CD EDIT)
- S818 : Skip/search switch. (|◄◄ SKIP)
- S819 : Skip/search switch. (►►| SKIP)
- S820 : CD stop switch. (■ STOP)
- S821 : CD play/pause switch. (►/ II PLAY/PAUSE)
- S822 : CD tray open/close switch. (▲/CLOSE)
- S971 : Deck mode detect switch.
- S972 : Deck half detect switch.
- S973 : Deck CrO_2 tape detect switch.
- S974 : Deck reverse side record prevention tab detect switch.
- S975 : Deck forward side record prevention tab detect switch.
- VR801 : Volume control encoder. (VOLUME)
- VR802 : Bass control VR. (BASS)
- VR803 : Treble control VR. (TREBLE)

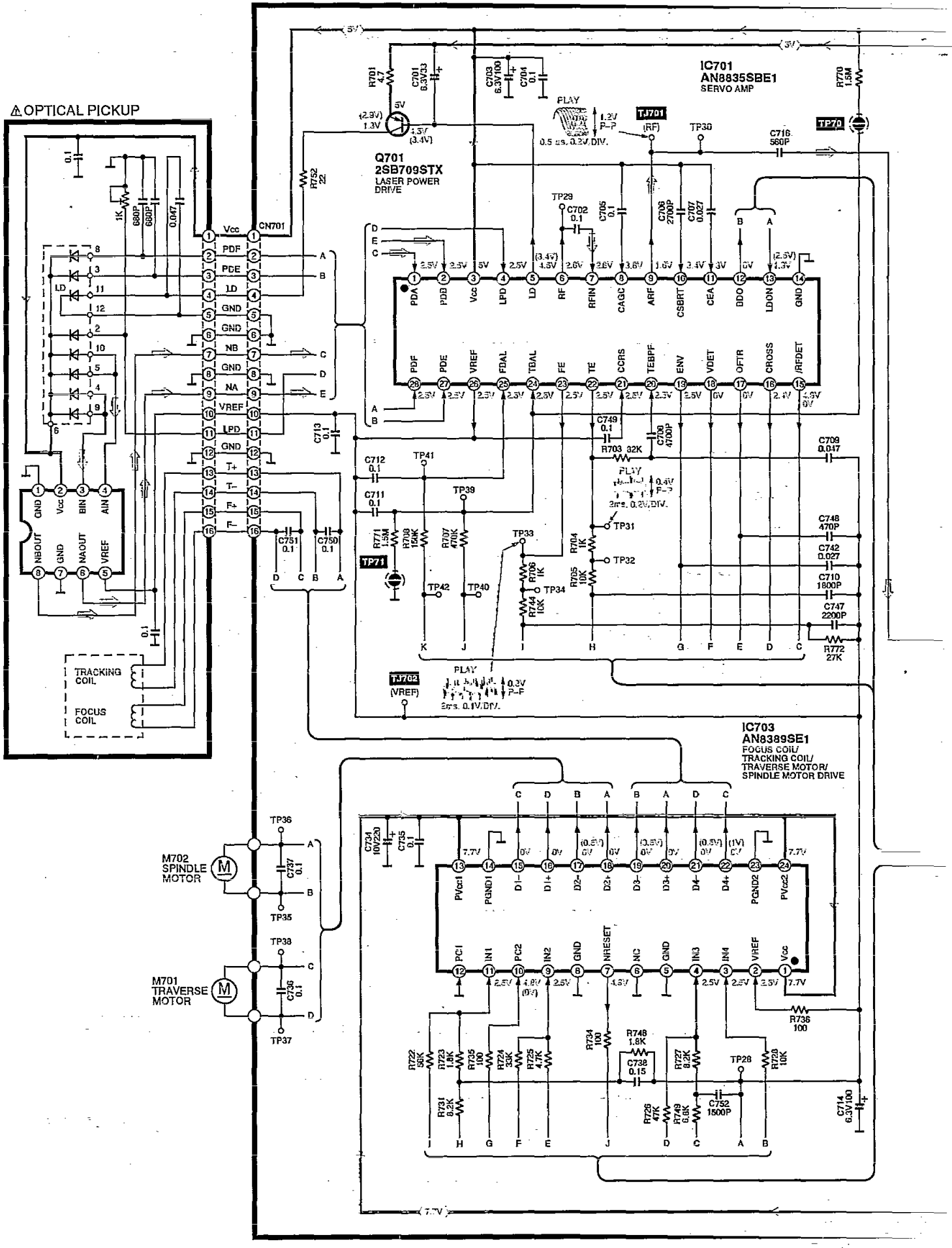
- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
  - No mark ... CD STOP
  - ( ) ..... CD PLAYBACK (1kHz, L+R, 0dB)
  - < > ..... FM
  - [ ] ..... AM
  - (( )) ..... DECK PLAYBACK
  - ( ) ..... DECK RECORDING

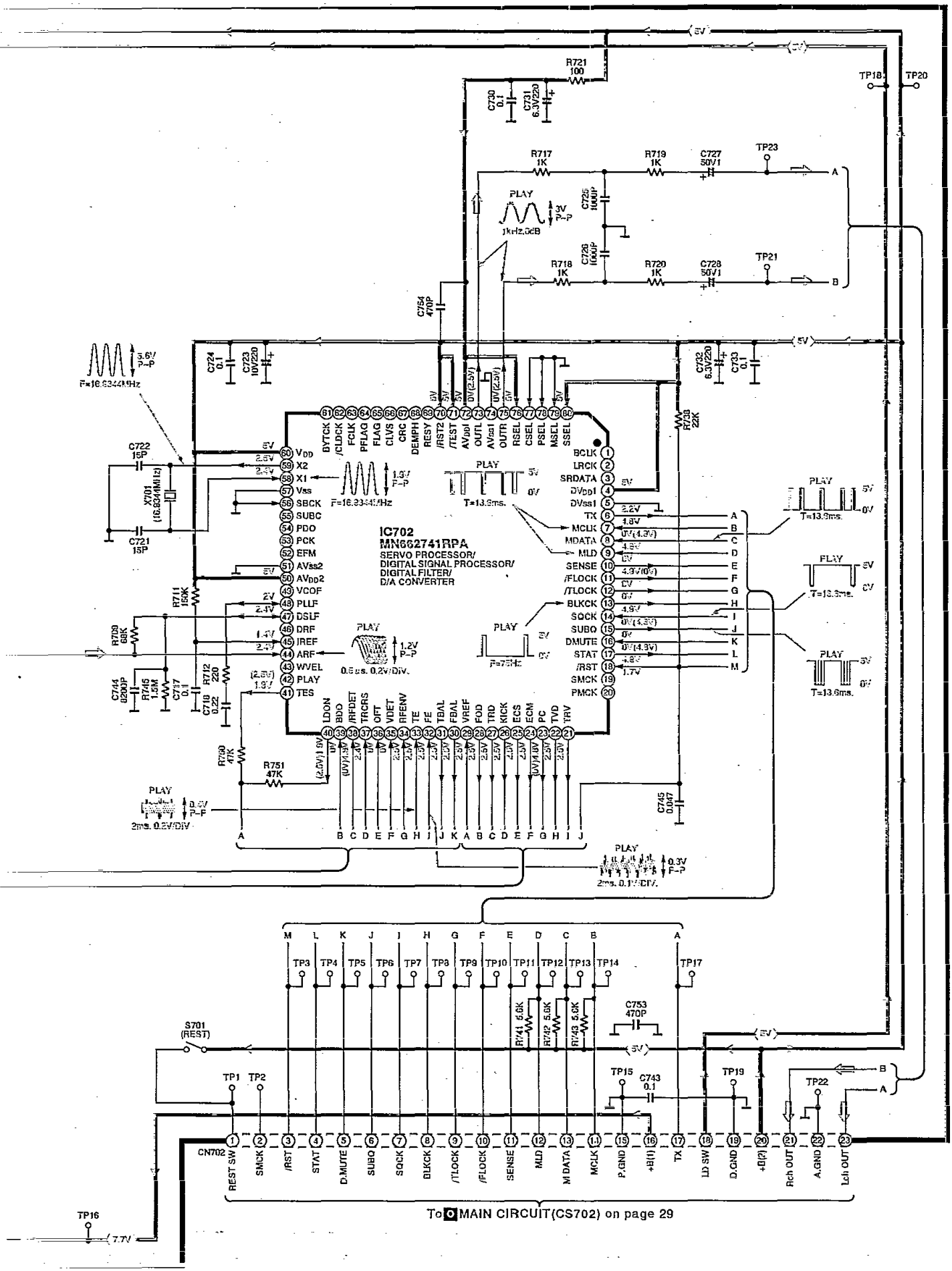
- Important safety notice:
  Components identified by ⚠ mark have special characteristics important for safety.
  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

- **Caution!**
  IC and LSI are sensitive to static electricity.
  Secondary trouble can be prevented by taking care during repair.
  Cover the parts boxes made of plastics with aluminum foil.
  Ground the soldering iron.
  Put a conductive mat on the work table.
  Do not touch the legs of IC or LSI with the fingers directly.

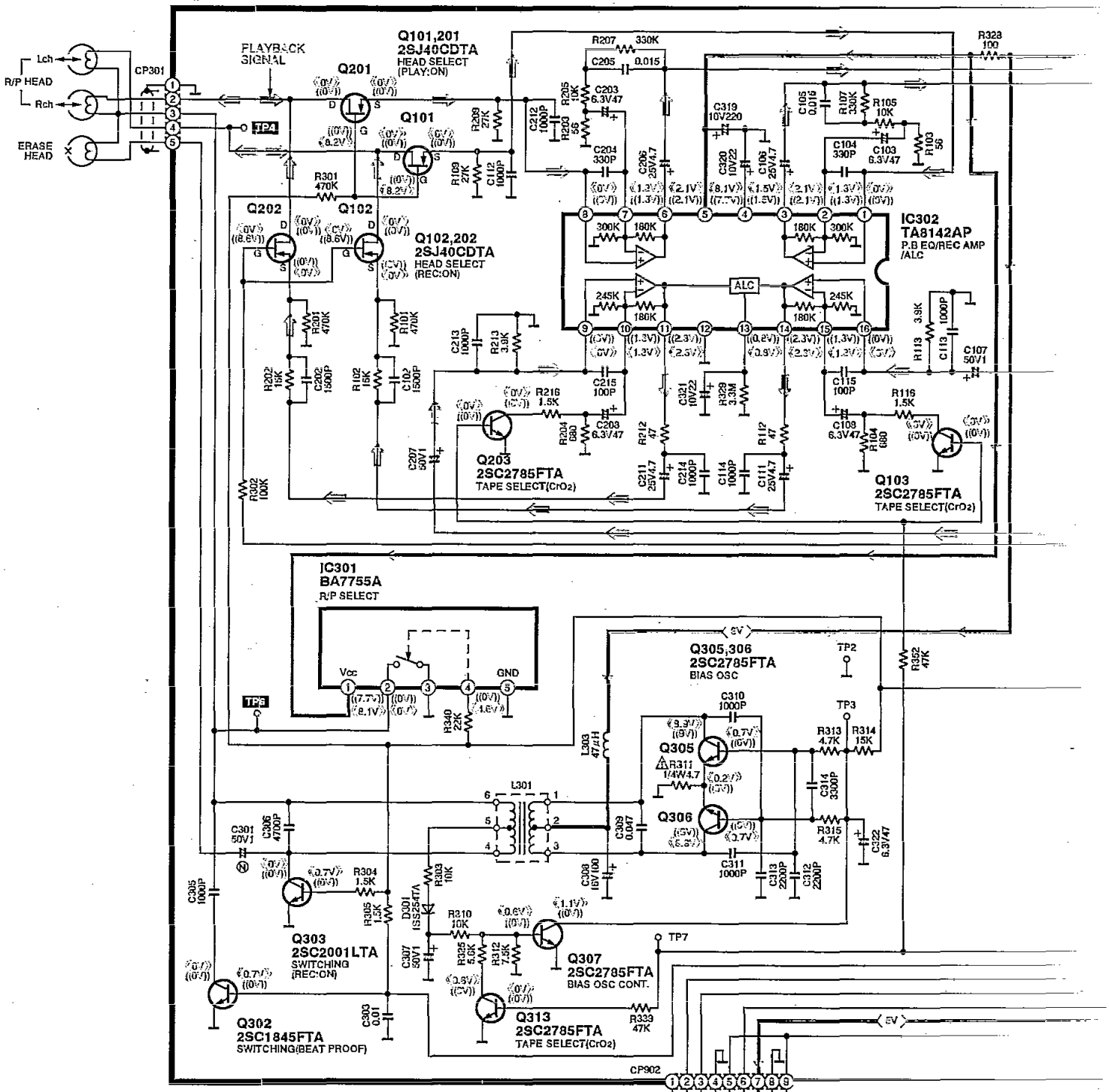
- Signal Line
  - : CD Signal Line
  - : FM Signal Line
  - : FM OSC Signal Line
  - : AM OSC Signal Line
  - : AM OSC SIGNAL Line
  - : Tape Playback Signal Line
  - : Tape Recording Signal Line

A CD SERVO CIRCUIT (P.C.Board:on page 33)

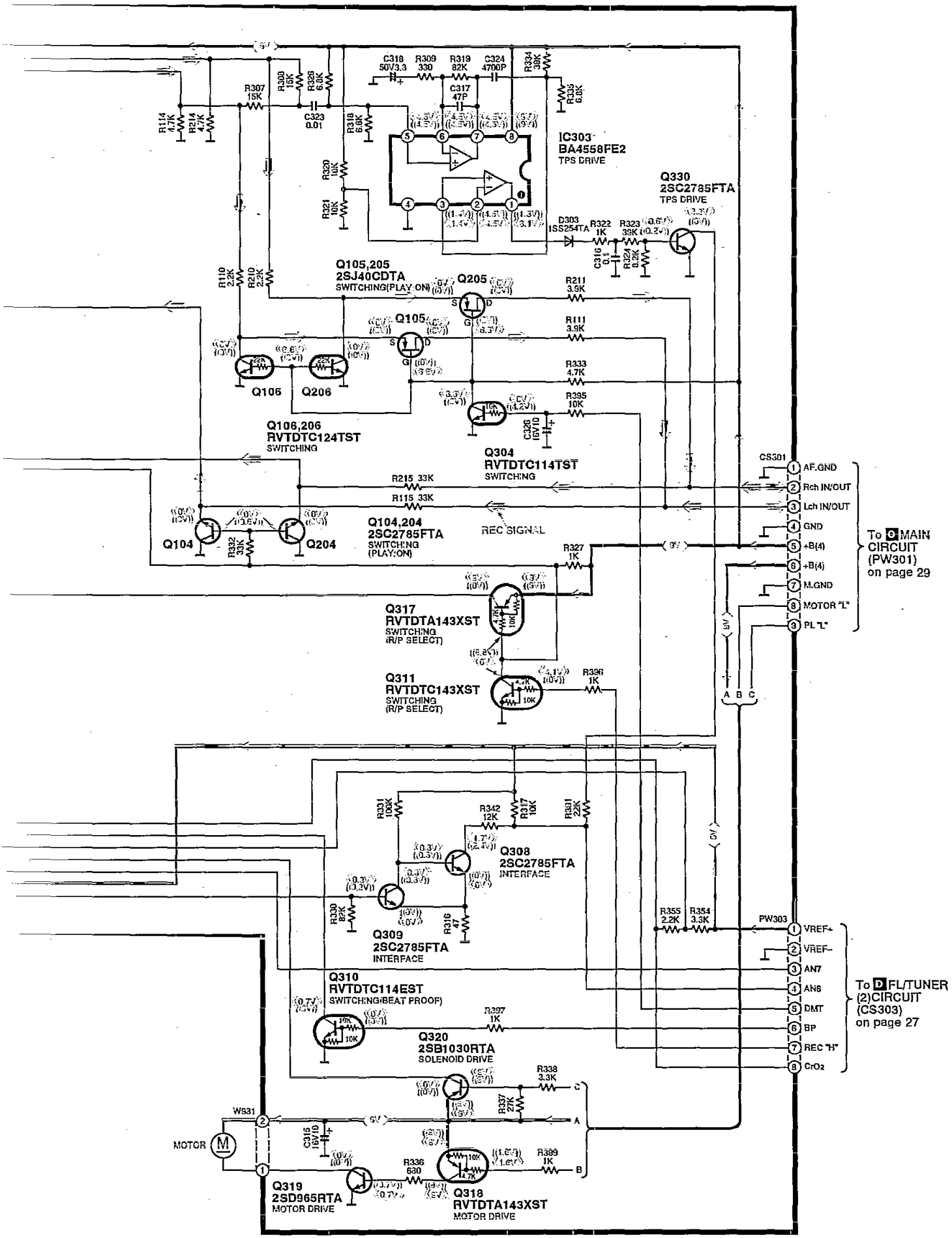



IC702
MN662741RPA
SERVO PROCESSOR/
DIGITAL SIGNAL PROCESSOR/
DIGITAL FILTER/
D/A CONVERTER
CN702
REST SW
SMCK
/RST
STAT
D.MUTE
SUBQ
SQCK
BLKCK
/TLOCK
/FLOCK
SENSE
MLD
M DATA
MCLK
P.GND
+B(1)
TX
LD SW
D.GND
+B(2)
Rch OUT
A.GND
Lch OUT
S701
(REST)
To MAIN CIRCUIT(CS702) on page 29

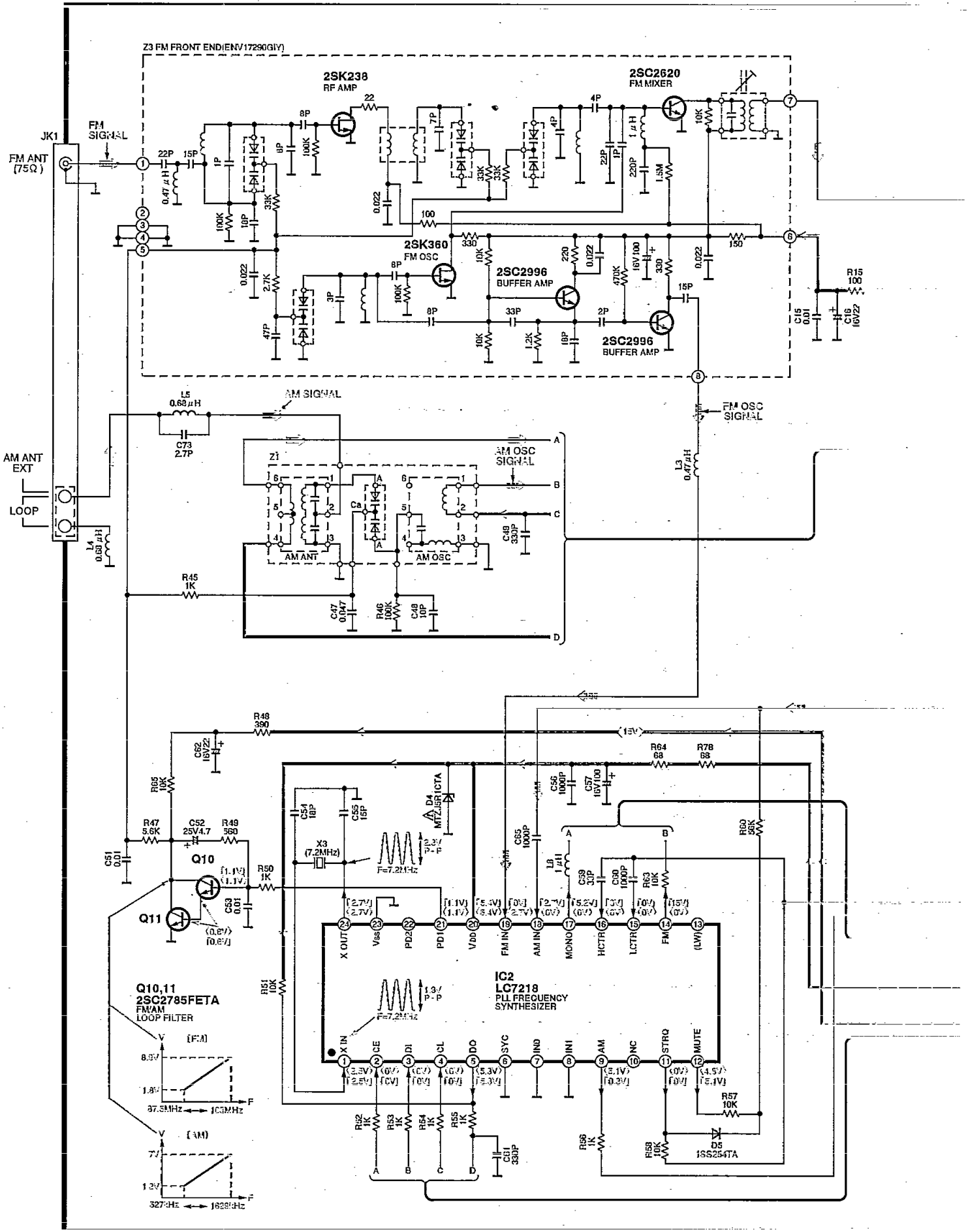
B MECHANISM CONTROL CIRCUIT (P.C.Board:on page 33)

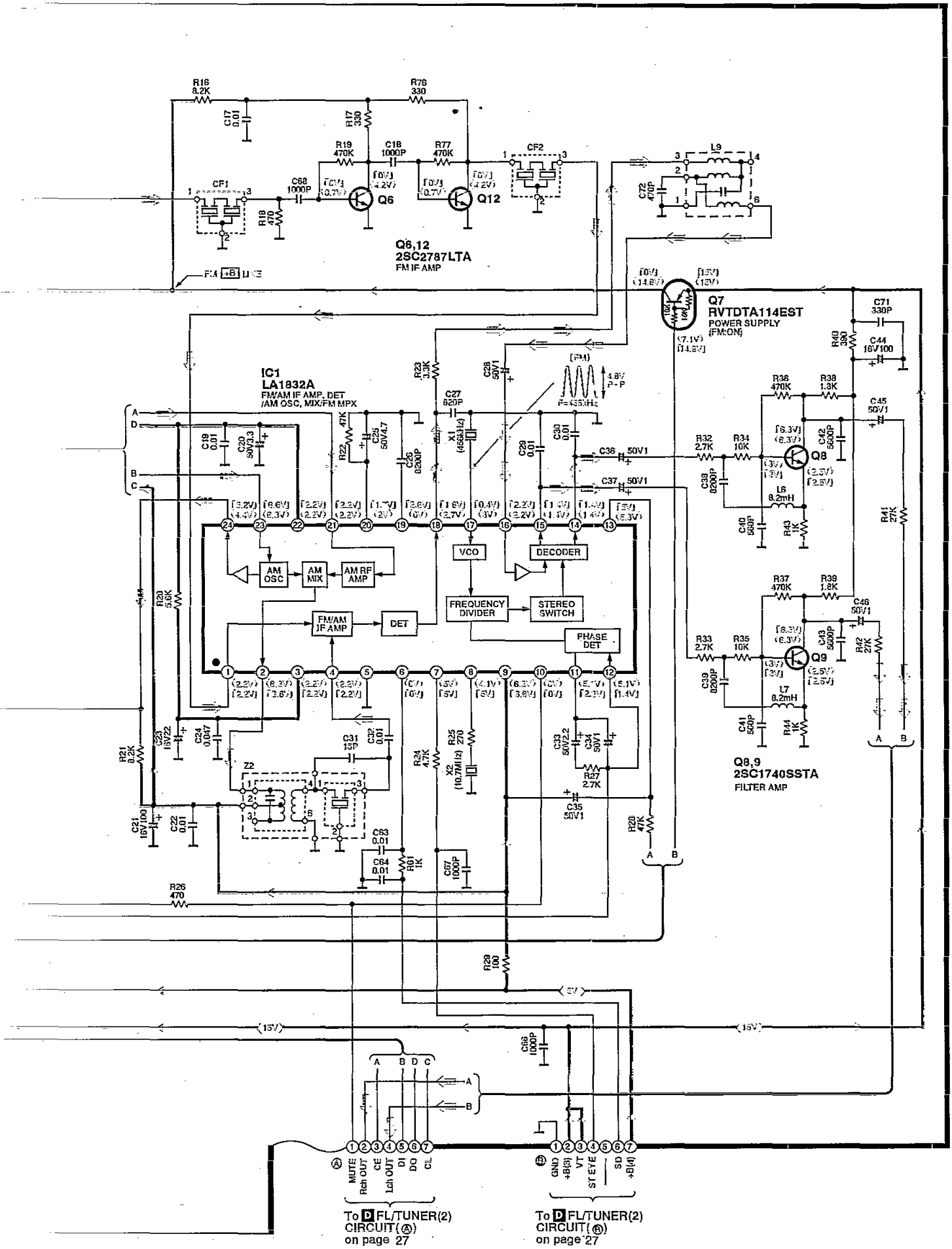


C MECHANISM CIRCUIT
(P.C.Board:on page 34)

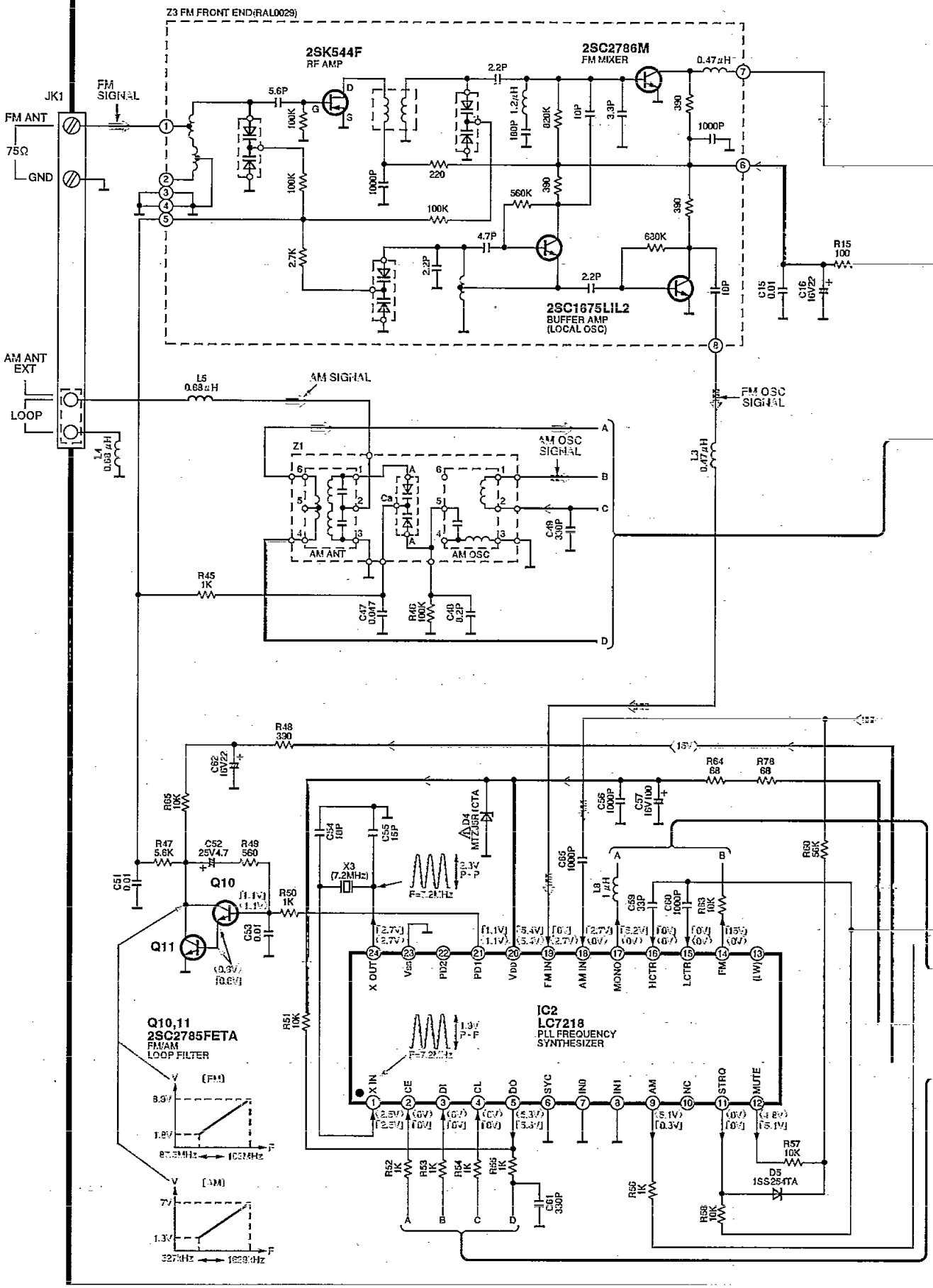

IC303
BA4558FE2
TPS DRIVE
Q330
2SC2785FTA
TPS DRIVE
Q105,205
2SJ40CDTA
SWITCHING(PLAY:ON)
Q205
Q105
Q106
Q206
Q106,206
RVTDTC124TST
SWITCHING
Q304
RVTDTC114TST
SWITCHING
Q104,204
2SC2785FTA
SWITCHING
(PLAY:ON)
Q104
Q204
REC SIGNAL
Q317
RVTDTA143XST
SWITCHING
(R/P SELECT)
Q311
RVTDTC143XST
SWITCHING
(R/P SELECT)
Q308
2SC2785FTA
INTERFACE
Q309
2SC2785FTA
INTERFACE
Q310
RVTDTC114EST
SWITCHING(BEAT PROOF)
Q320
2SB1030RTA
SOLENOID DRIVE
Q319
2SD965RTA
MOTOR DRIVE
Q318
RVTDTA143XST
MOTOR DRIVE
MOTOR
CS301
1 AF.GND
2 Rch IN/OUT
3 Lch IN/OUT
4 GND
5 +B(4)
6 +B(4)
7 M.GND
8 MOTOR "L"
9 PL "L"
To D MAIN CIRCUIT (PW301) on page 29
PW303
1 VREF+
2 VREF–
3 AN7
4 AN6
5 DMT
6 BP
7 REC "H"
8 CrO2
To D FL/TUNER (2)CIRCUIT (CS303) on page 27
A B C
W931

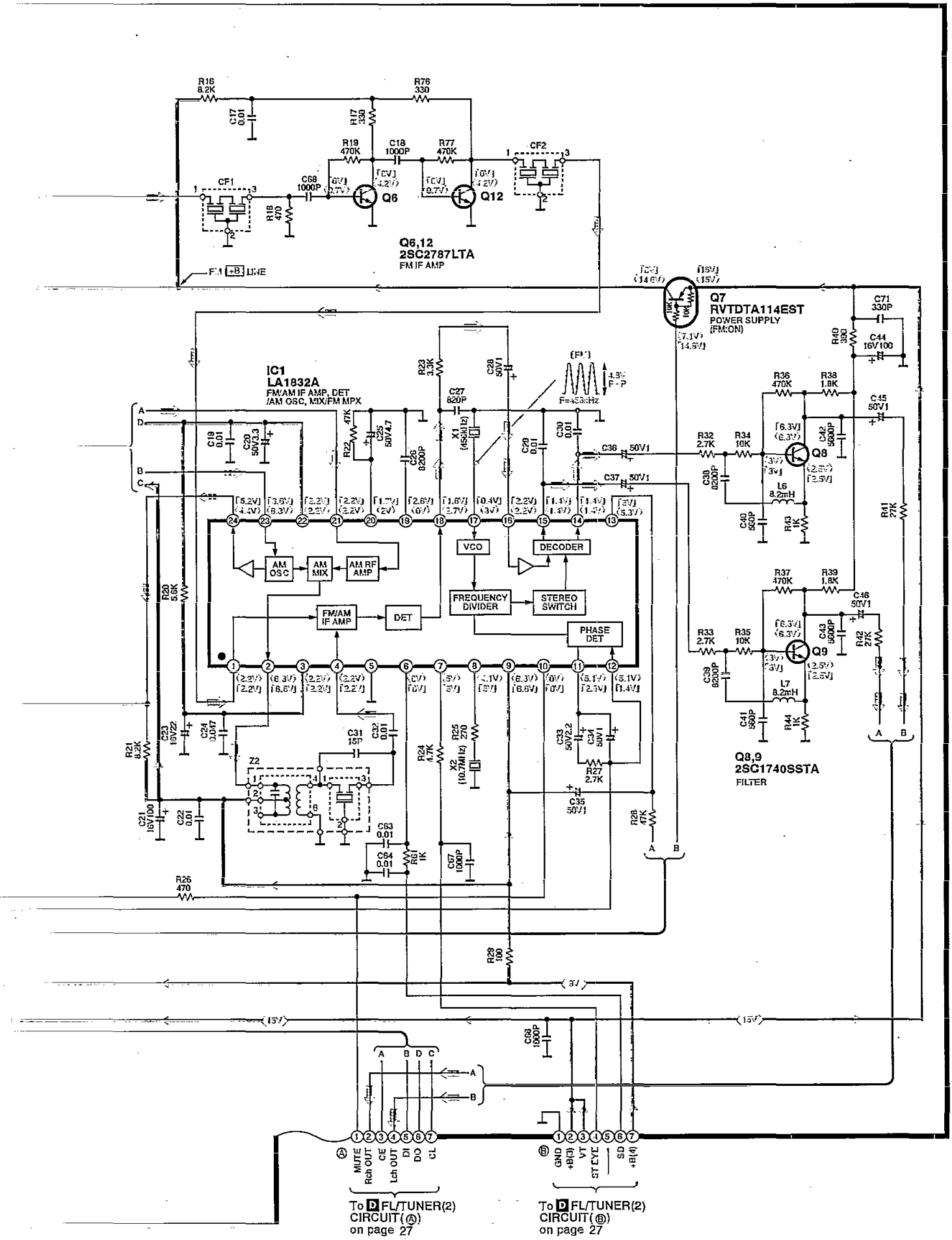
D FL/TUNER(1) CIRCUIT For [E,EB,EG] areas. (P.C.Board:on page 34)



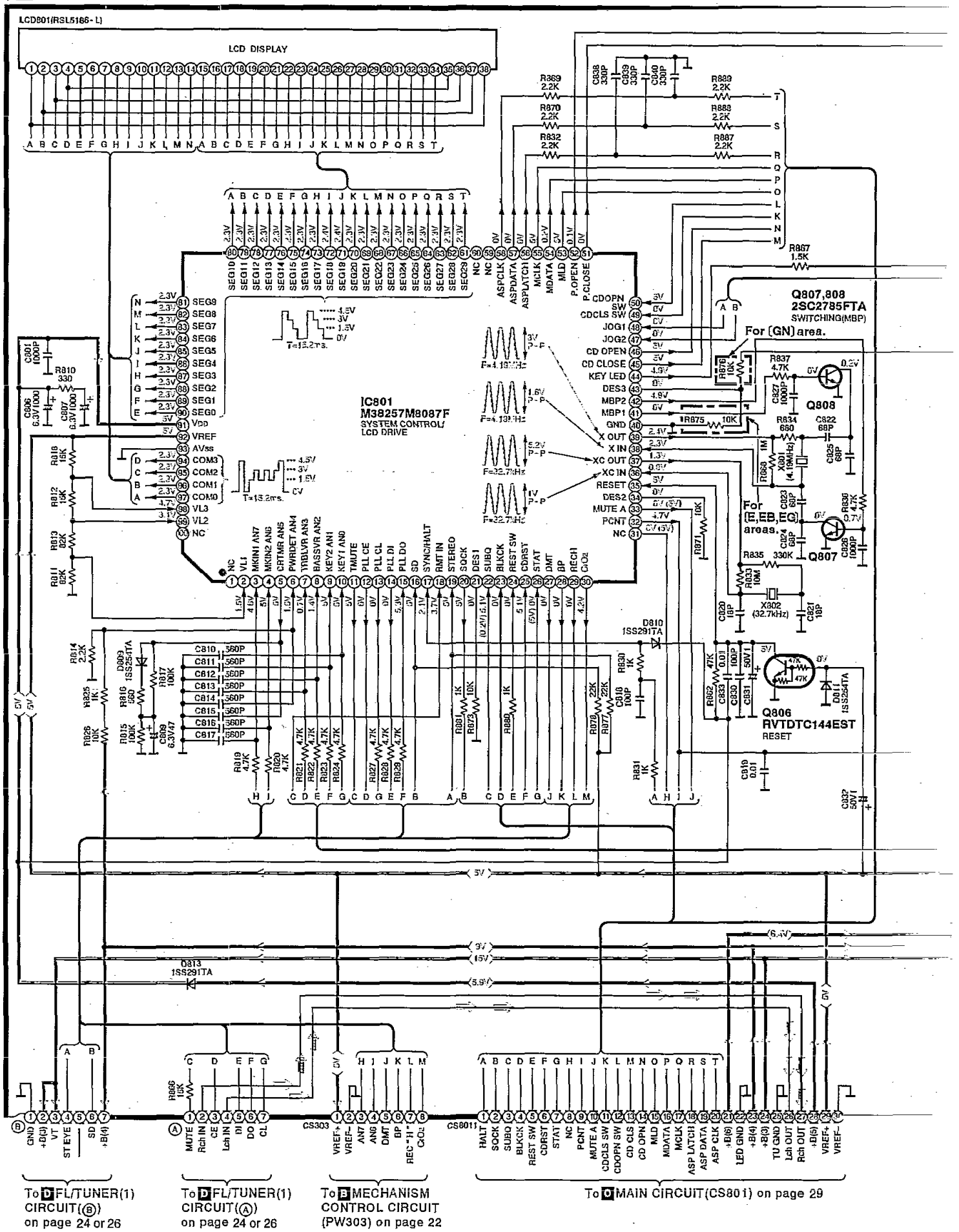

Q6,12
2SC2787LTA
FM IF AMP
Q7
RVTDTA114EST
POWER SUPPLY
(FM:ON)
IC1
LA1832A
FM/AM IF AMP, DET
/AM OSC, MIX/FM MPX
AM OSC
AM MIX
AM RF AMP
VCO
DECODER
FREQUENCY DIVIDER
STEREO SWITCH
FM/AM IF AMP
DET
PHASE DET
Q8
Q9
Q8,9
2SC1740SSTA
FILTER AMP
MUTE
Rch OUT
CE
Lch OUT
DI
DO
CL
GND
+B(8)
VT
ST EYE
SD
+B(M)
To D FL/TUNER(2) CIRCUIT(A) on page 27
To D FL/TUNER(2) CIRCUIT(B) on page 27

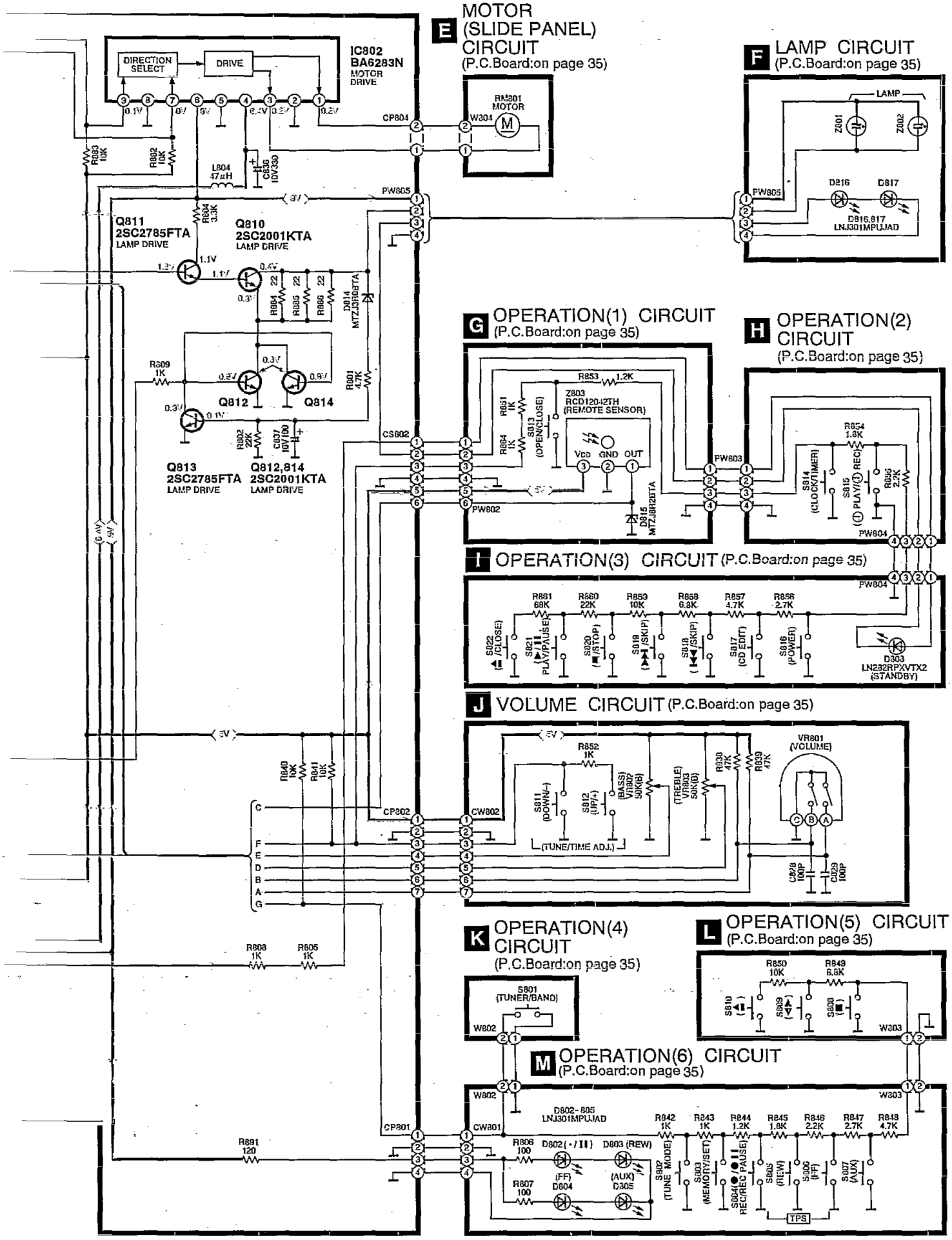
D FL/TUNER(1) CIRCUIT For [GN] area. (P.C.Board:on page 34)



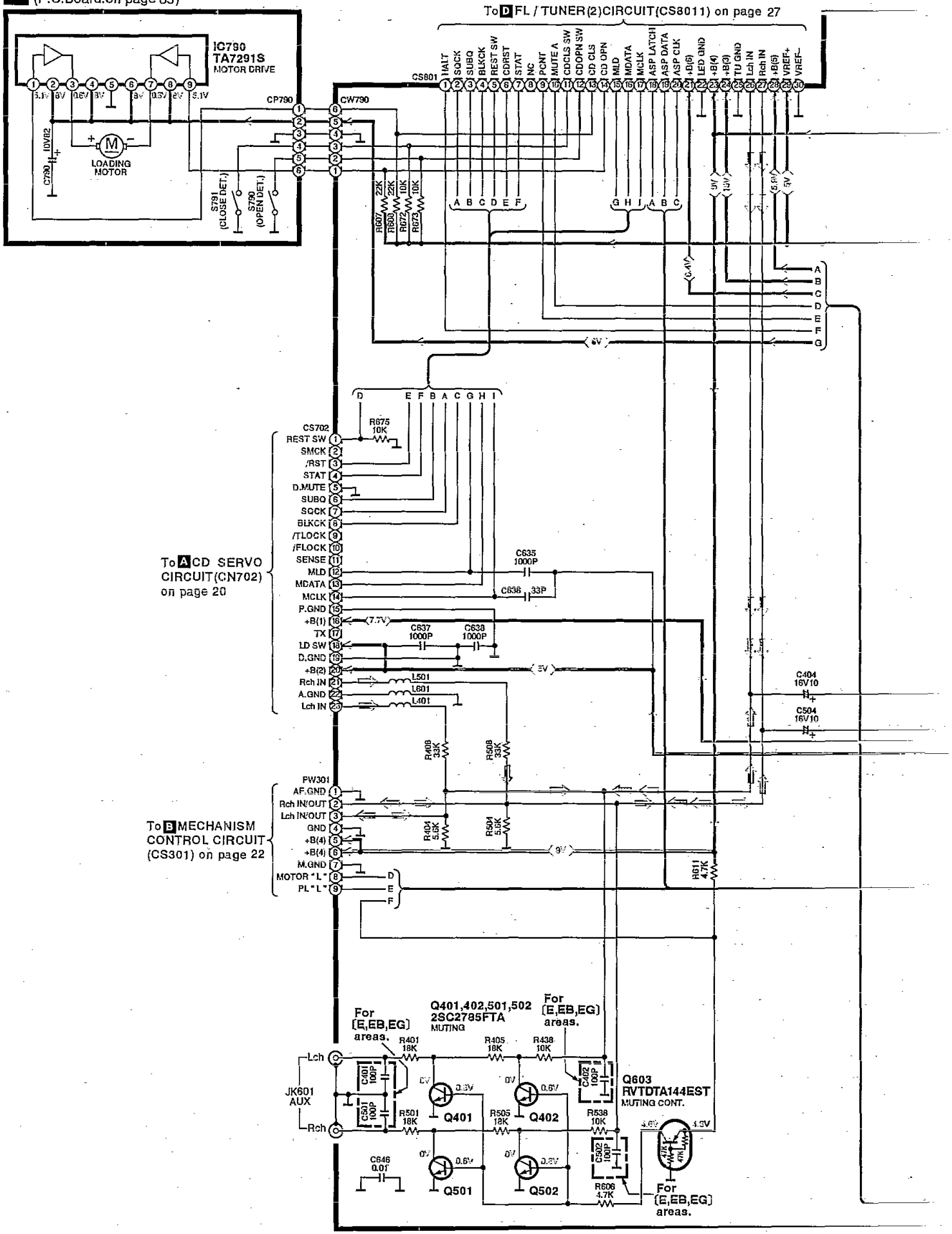

Q6,12
2SC2787LTA
FM IF AMP
Q7
RVTDTA114EST
POWER SUPPLY
(FM:ON)
IC1
LA1832A
FM/AM IF AMP, DET
/AM OSC, MIX/FM MPX
AM OSC
AM MIX
AM RF AMP
VCO
DECODER
FREQUENCY DIVIDER
STEREO SWITCH
FM/AM IF AMP
DET
PHASE DET
Q8,9
2SC1740SSTA
FILTER
To D FL/TUNER(2) CIRCUIT(A) on page 27
To D FL/TUNER(2) CIRCUIT(B) on page 27

D FL / TUNER(2) CIRCUIT (P.C.Board:on page 34)

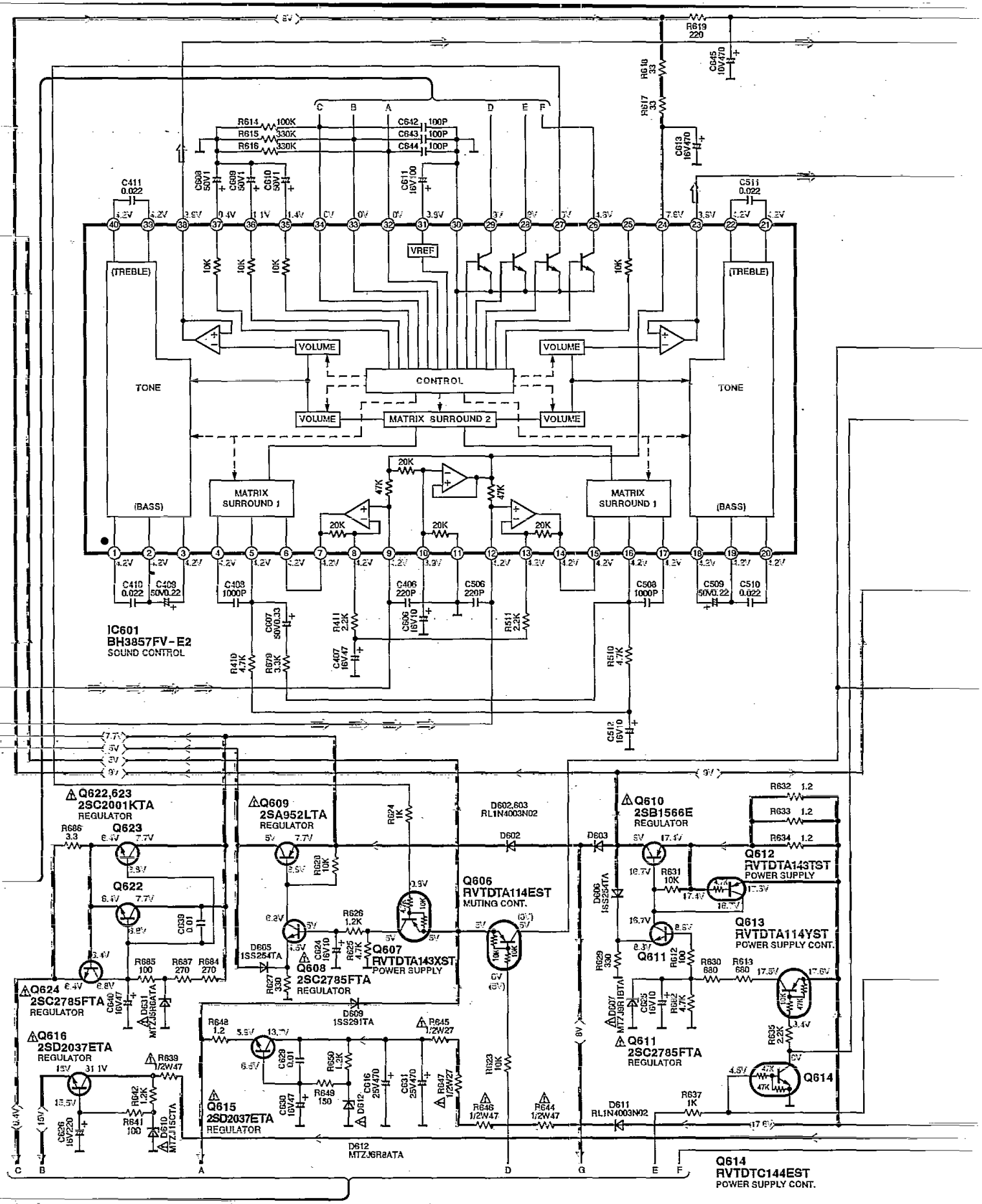


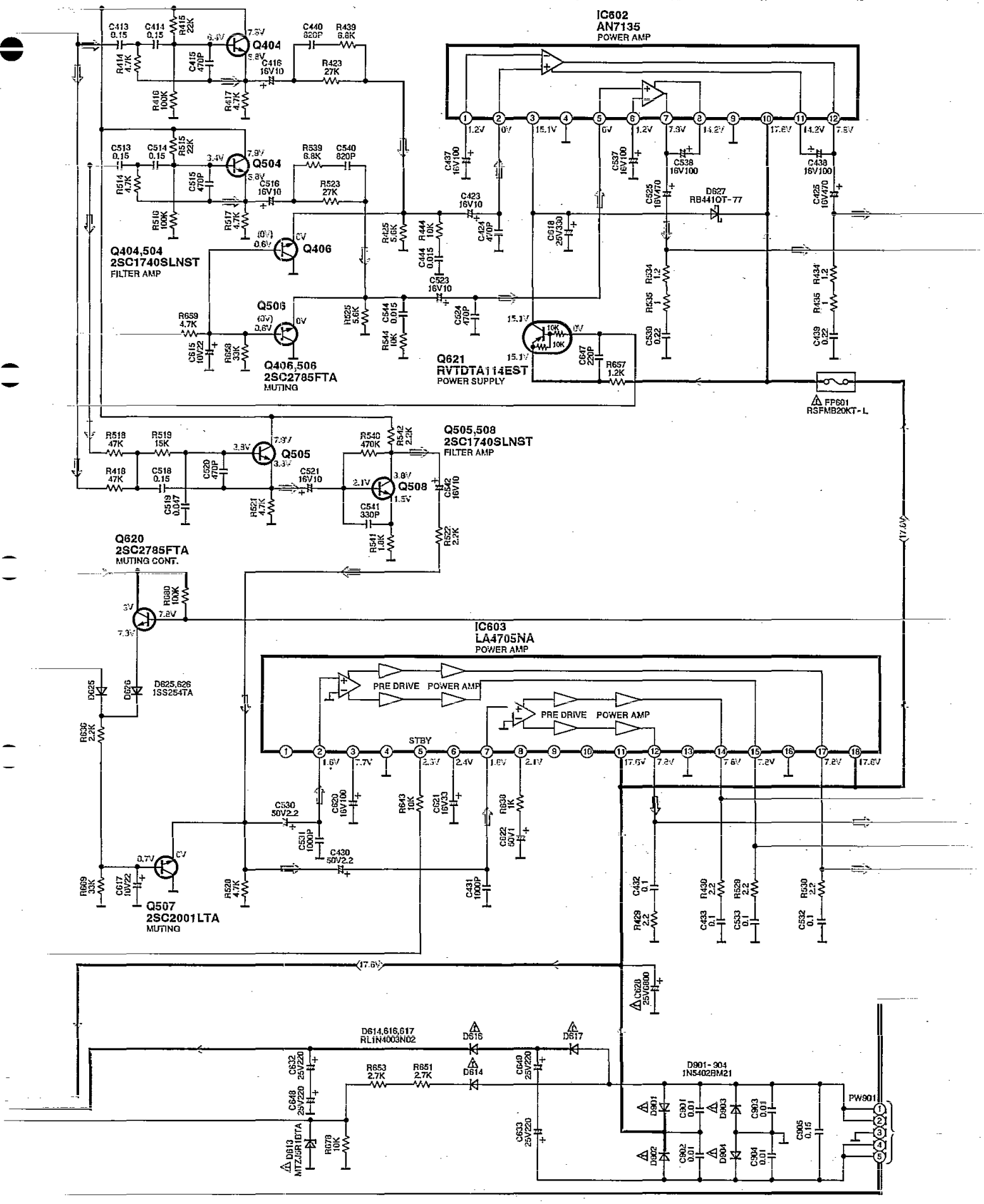

E MOTOR (SLIDE PANEL) CIRCUIT
(P.C.Board:on page 35)
F LAMP CIRCUIT
(P.C.Board:on page 35)
G OPERATION(1) CIRCUIT
(P.C.Board:on page 35)
H OPERATION(2) CIRCUIT
(P.C.Board:on page 35)
I OPERATION(3) CIRCUIT (P.C.Board:on page 35)
J VOLUME CIRCUIT (P.C.Board:on page 35)
K OPERATION(4) CIRCUIT
(P.C.Board:on page 35)
L OPERATION(5) CIRCUIT
(P.C.Board:on page 35)
M OPERATION(6) CIRCUIT
(P.C.Board:on page 35)
IC802
BA6283N
MOTOR DRIVE
DIRECTION SELECT
DRIVE
RM301 MOTOR
LAMP
D816,817
LNJ301MPUJAD
Q811
2SC2785FTA
LAMP DRIVE
Q810
2SC2001KTA
LAMP DRIVE
Q812
Q814
Q813
2SC2785FTA
LAMP DRIVE
Q812,814
2SC2001KTA
LAMP DRIVE
Z803
RCD120-12TH
(REMOTE SENSOR)
D303
LN232RPXVTX2
(STANDBY)
VR801
(VOLUME)
S801
(TUNER/BAND)
D602-605
LNJ301MPUJAD
TPS

N LOADING MOTOR CIRCUIT
(P.C.Board:on page 35)

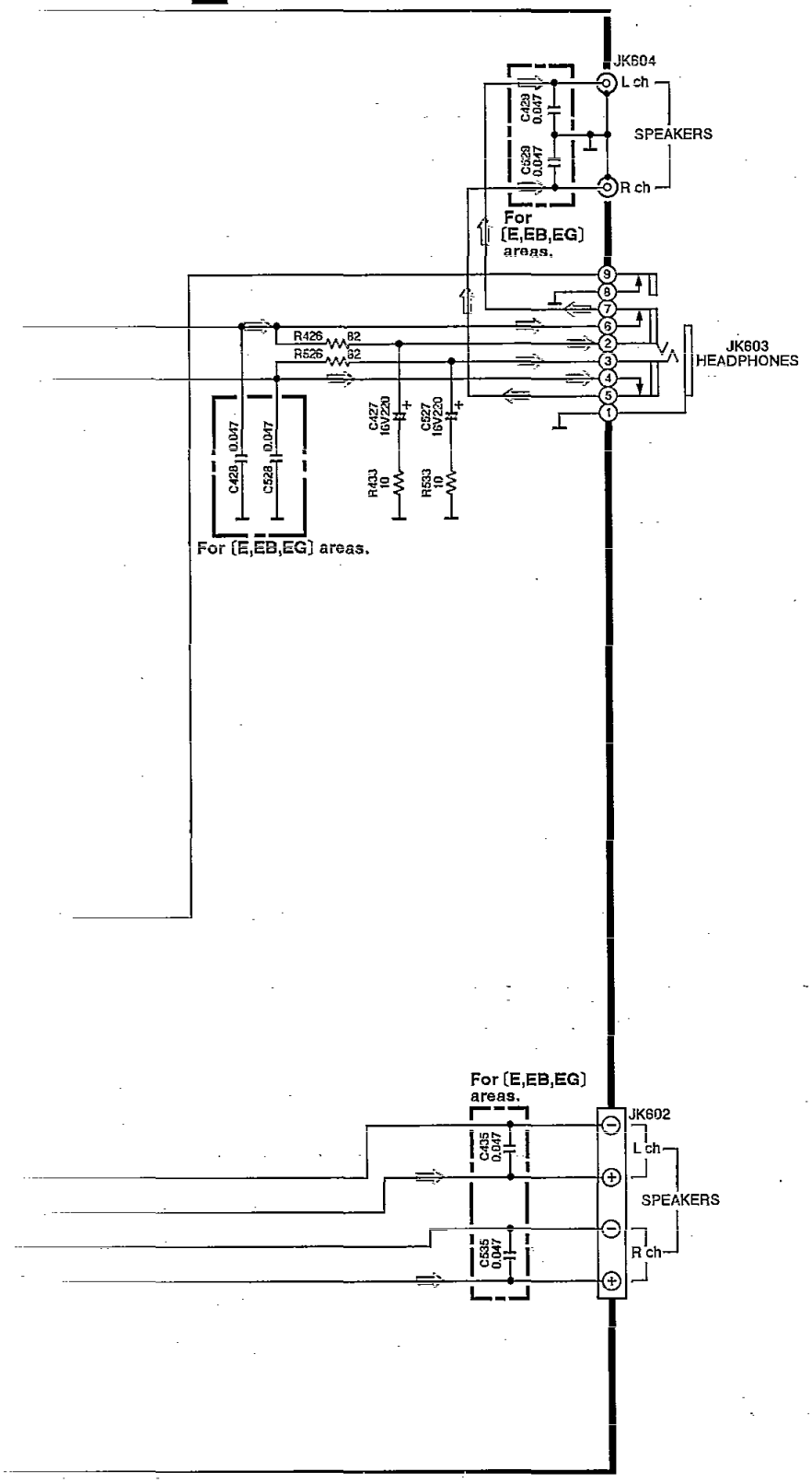


O MAIN CIRCUIT (P.C.Board:on pages 36,37)

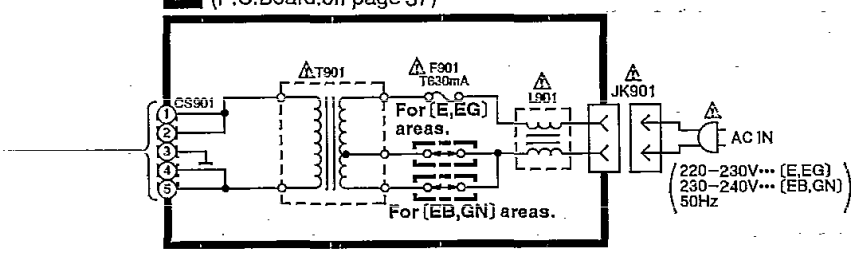



IC602
AN7135
POWER AMP
Q404
Q504
Q406
Q404,504
2SC1740SLNST
FILTER AMP
Q506
Q406,506
2SC2785FTA
MUTING
Q621
RVTDTA114EST
POWER SUPPLY
D627
RB441QT-77
FP601
RSFMB20KT-L
Q505,508
2SC1740SLNST
FILTER AMP
Q505
Q508
Q620
2SC2785FTA
MUTING CONT.
IC603
LA4705NA
POWER AMP
PRE DRIVE
POWER AMP
STBY
D625,626
1SS254TA
Q507
2SC2001LTA
MUTING
D614,616,617
RLiN4003N02
D901-904
1N5402BM21
PW901

O MAIN CIRCUIT (P.C.Board:on pages 36,37)



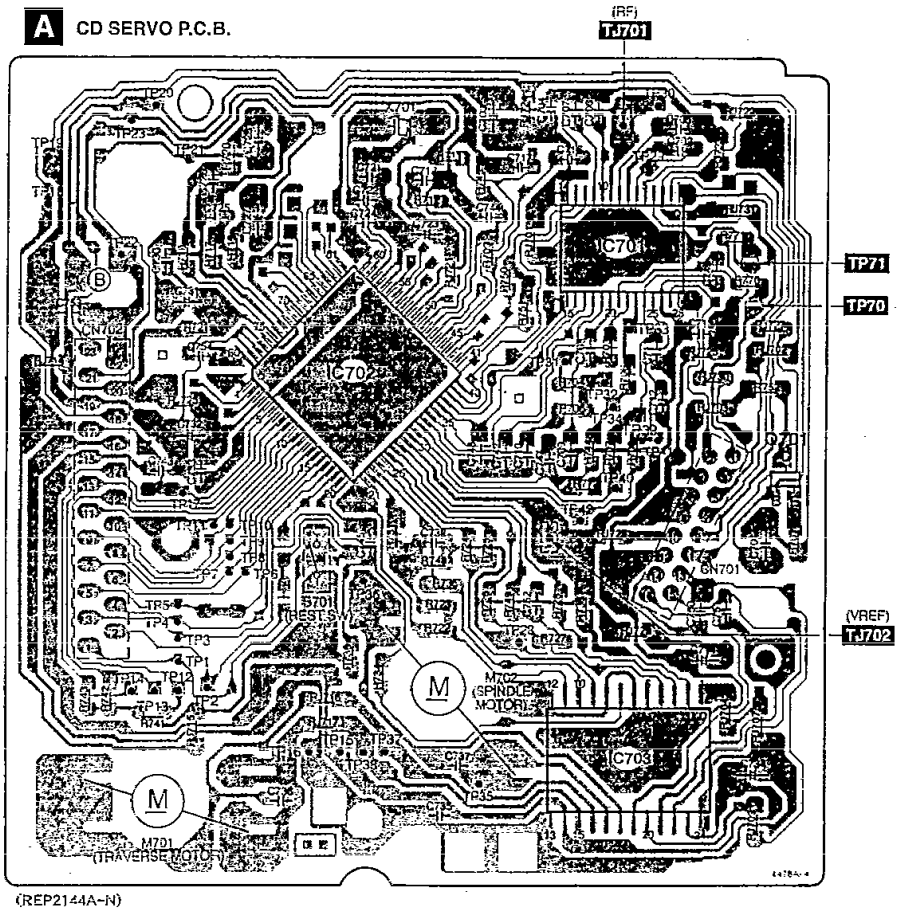
P POWER SUPPLY CIRCUIT (P.C.Board:on page 37)



■ Printed Circuit Board Diagram

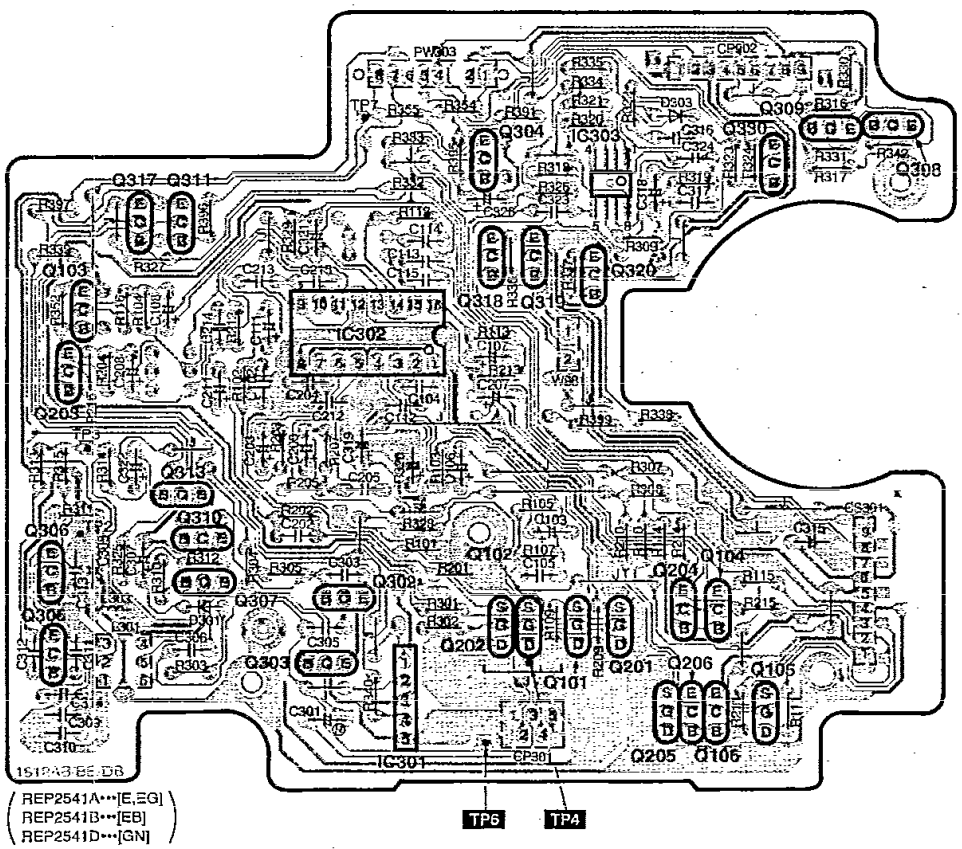
● This circuit board diagram may be modified at any time with the development of new technology.

A CD SERVO P.C.B.



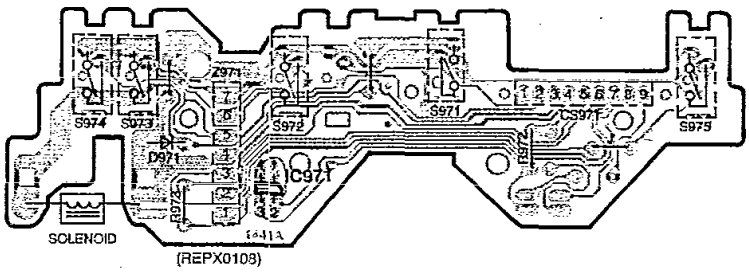
(REP2144A~N)

B MECHANISM CONTROL P.C.B.



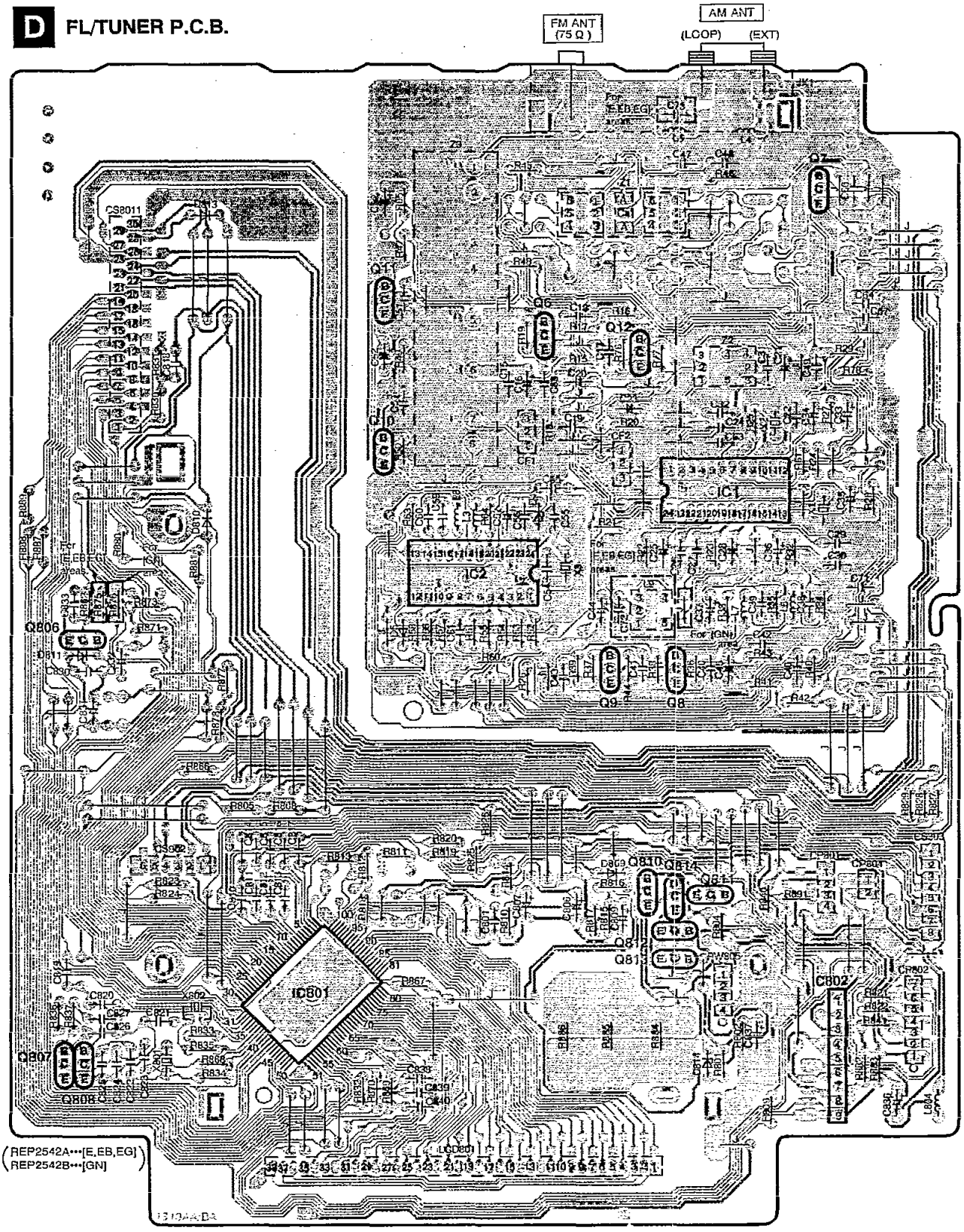
(REP2541A•••[E,EG]
REP2541B•••[EB]
REP2541D•••[GN])

C MECHANISM P.C.B.



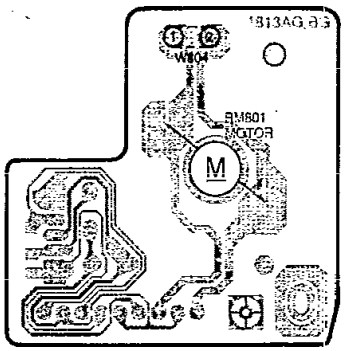
(REPX0103)

D FL/TUNER P.C.B.



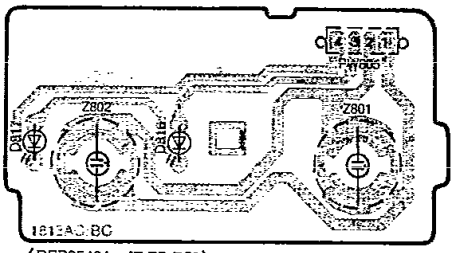
(REP2542A•••[E,EB,EG])
(REP2542B•••[GN])

E MOTOR (SLIDE PANEL) P.C.B.



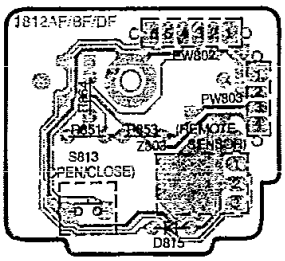
(REP2542A···[E,EB,EG]
REP2542B···[GN])

F LAMP P.C.B.



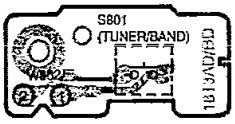
(REP2542A···[E,EB,EG]
REP2542B···[GN])

G OPERATION (1) P.C.B.



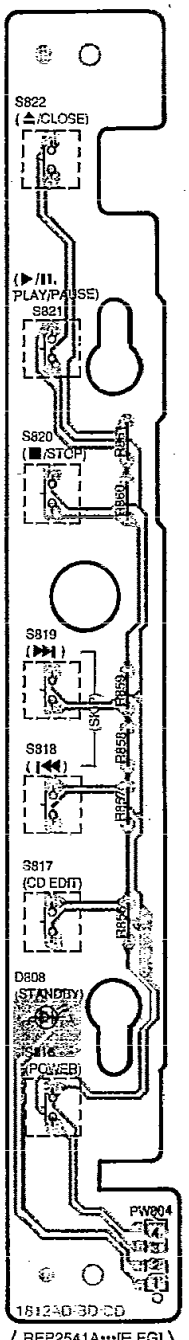
(REP2541A···[E,EG]
REP2541B···[EB]
REP2541D···[GN])

K OPERATION (4) P.C.B.



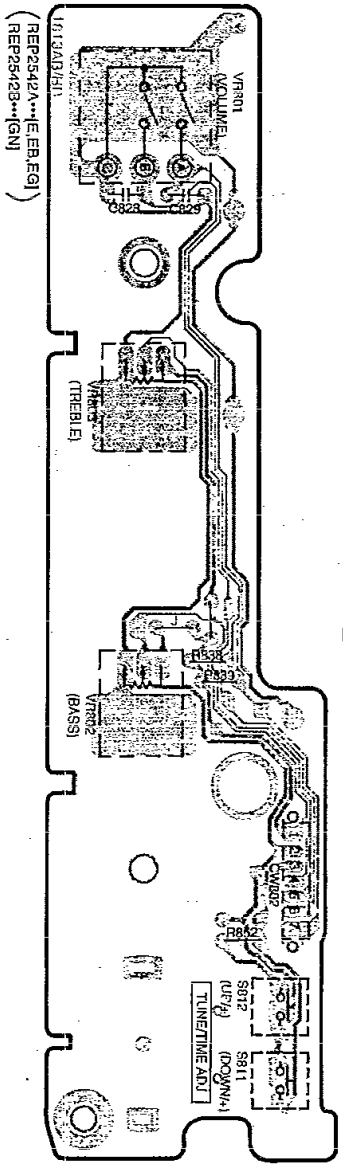
(REP2542A···[E,EB,EG]
REP2542B···[GN])

I OPERATION (3) P.C.B.

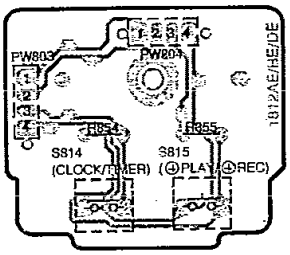


(REP2541A···[E,EG]
REP2541B···[EB]
REP2541D···[GN])

J VOLUME P.C.B.

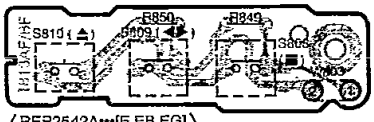


H OPERATION (2) P.C.B.



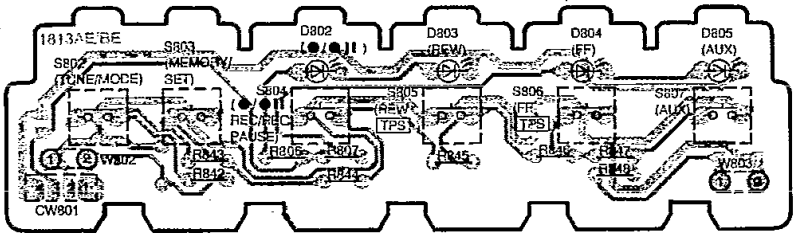
(REP2541A···[E,EG]
REP2541B···[EB]
REP2541D···[GN])

L OPERATION (5) P.C.B.



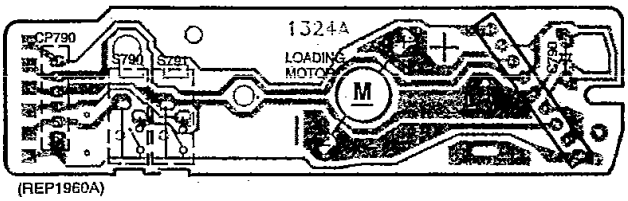
(REP2542A···[E,EB,EG]
REP2542B···[GN])

M OPERATION (6) P.C.B.



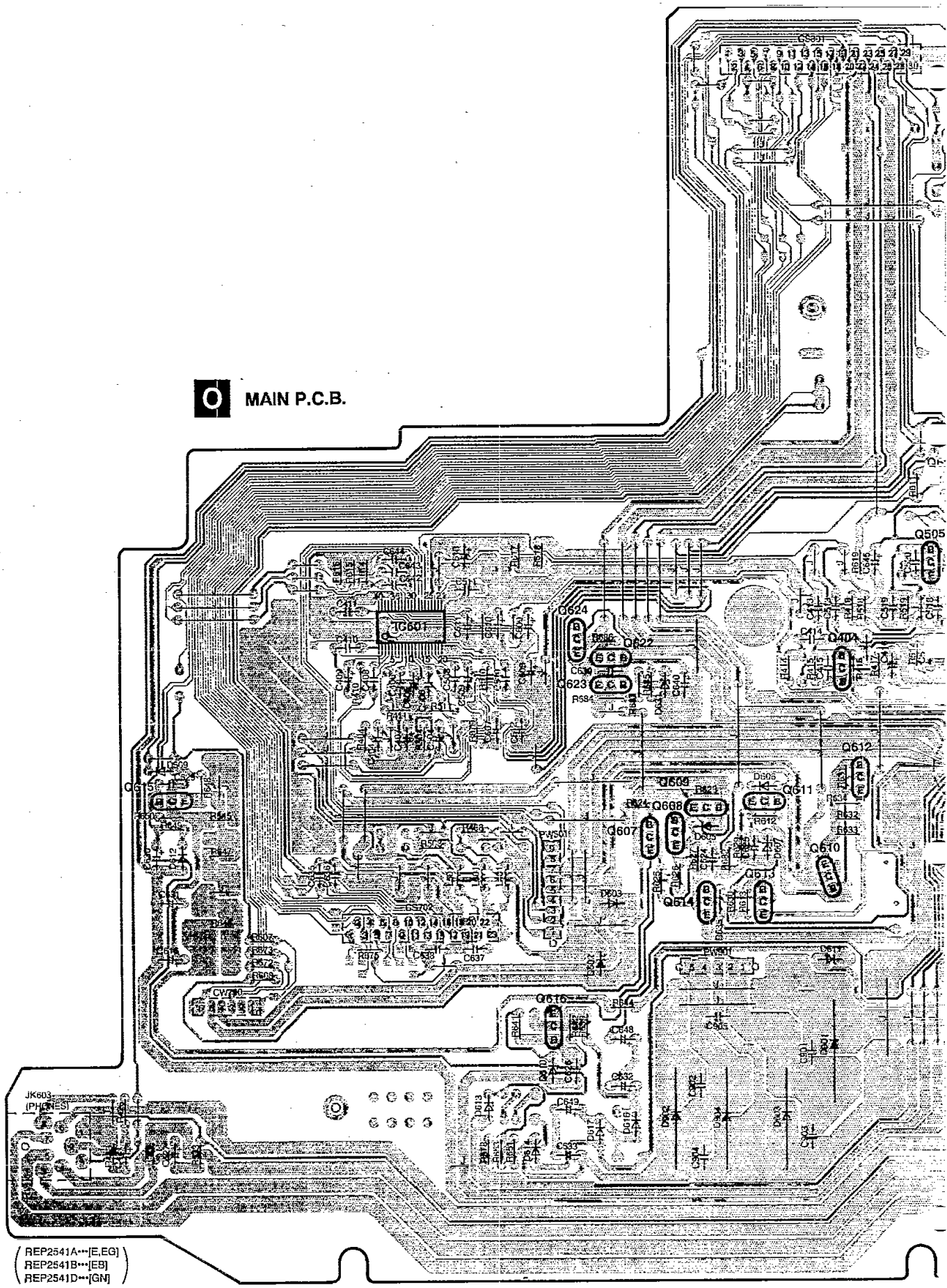
(REP2542A···[E,EB,EG]
REP2542B···[GN])

N LOADING MOTOR P.C.B.

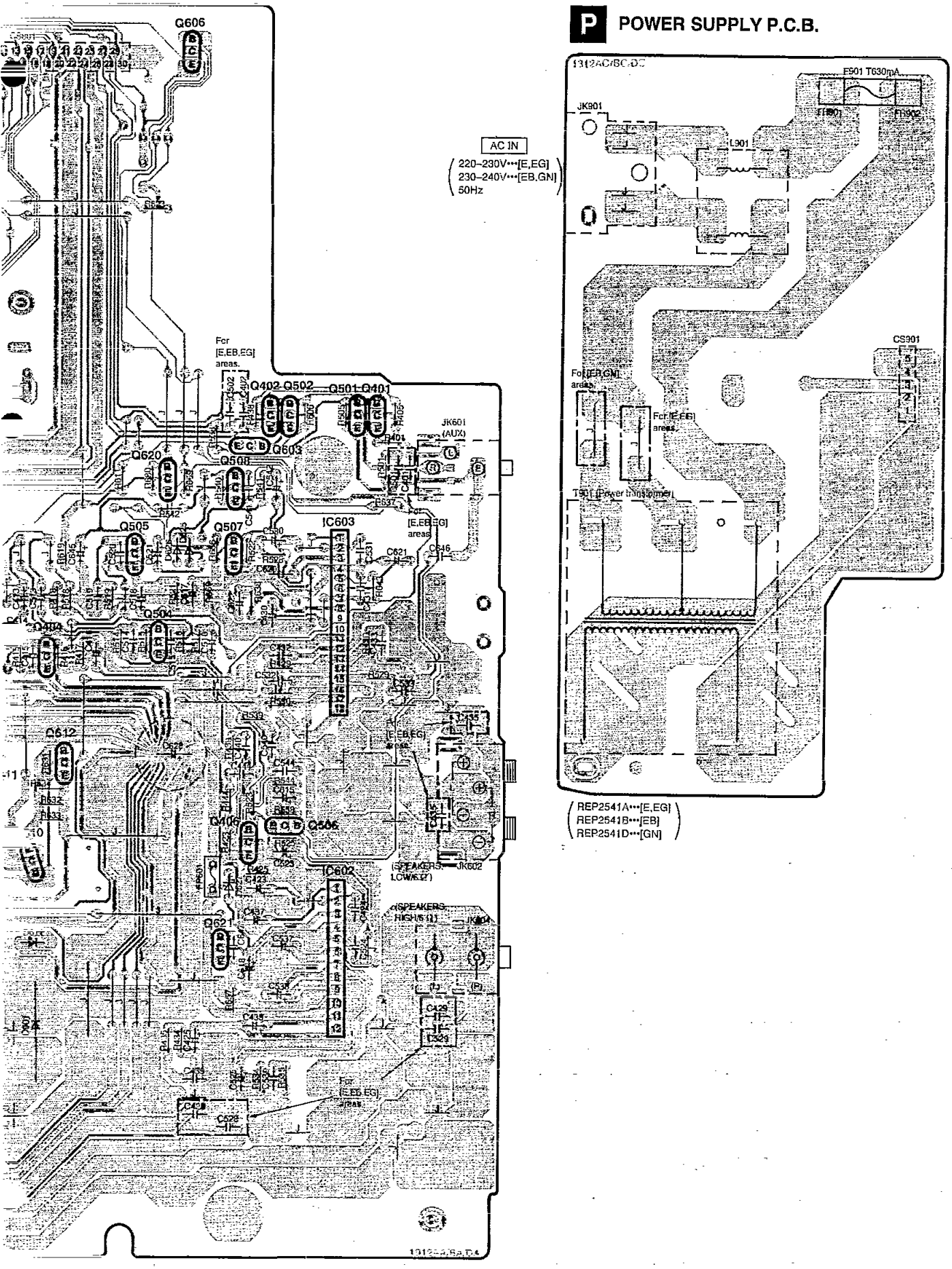


(REP1960A)

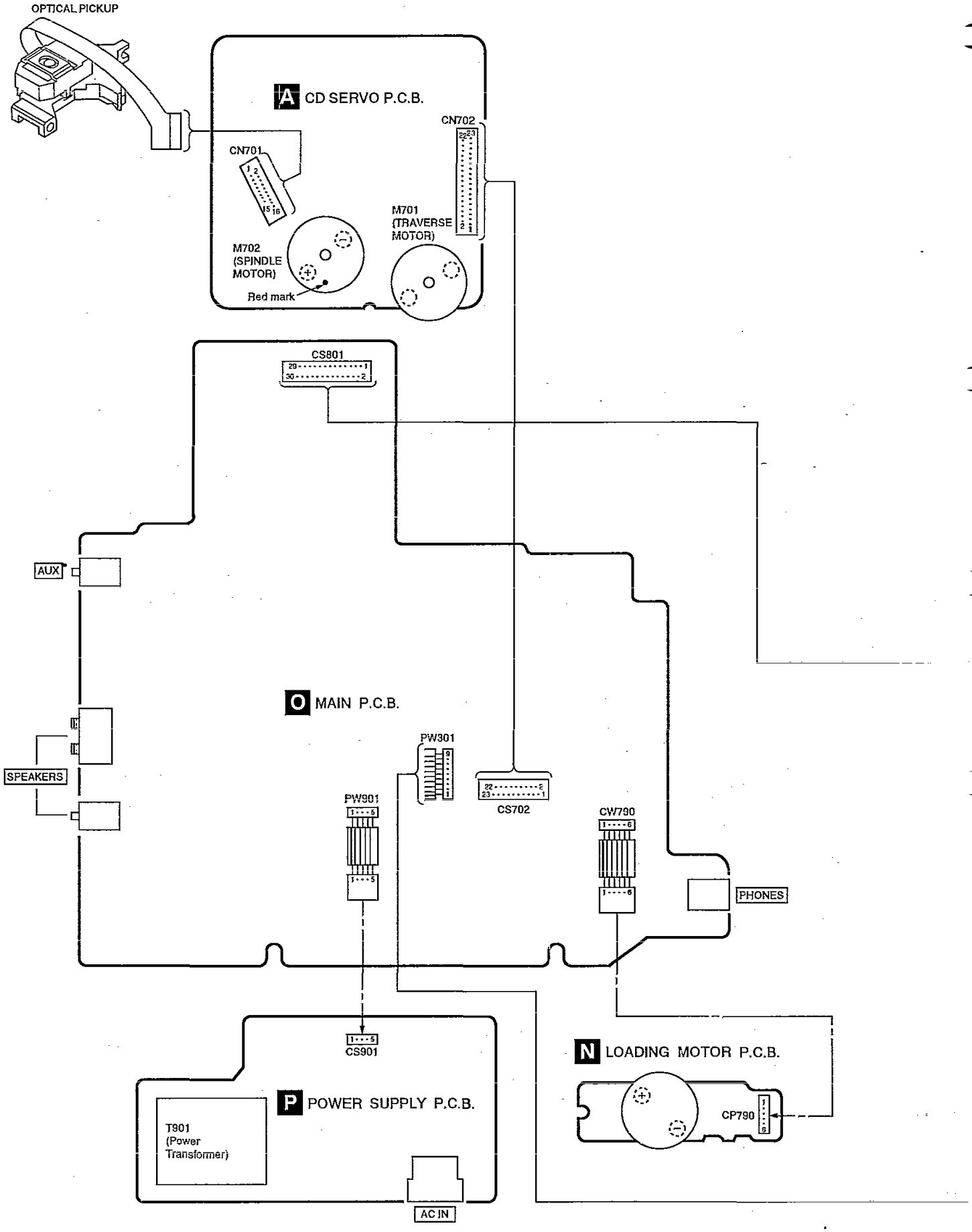
MAIN P.C.B.

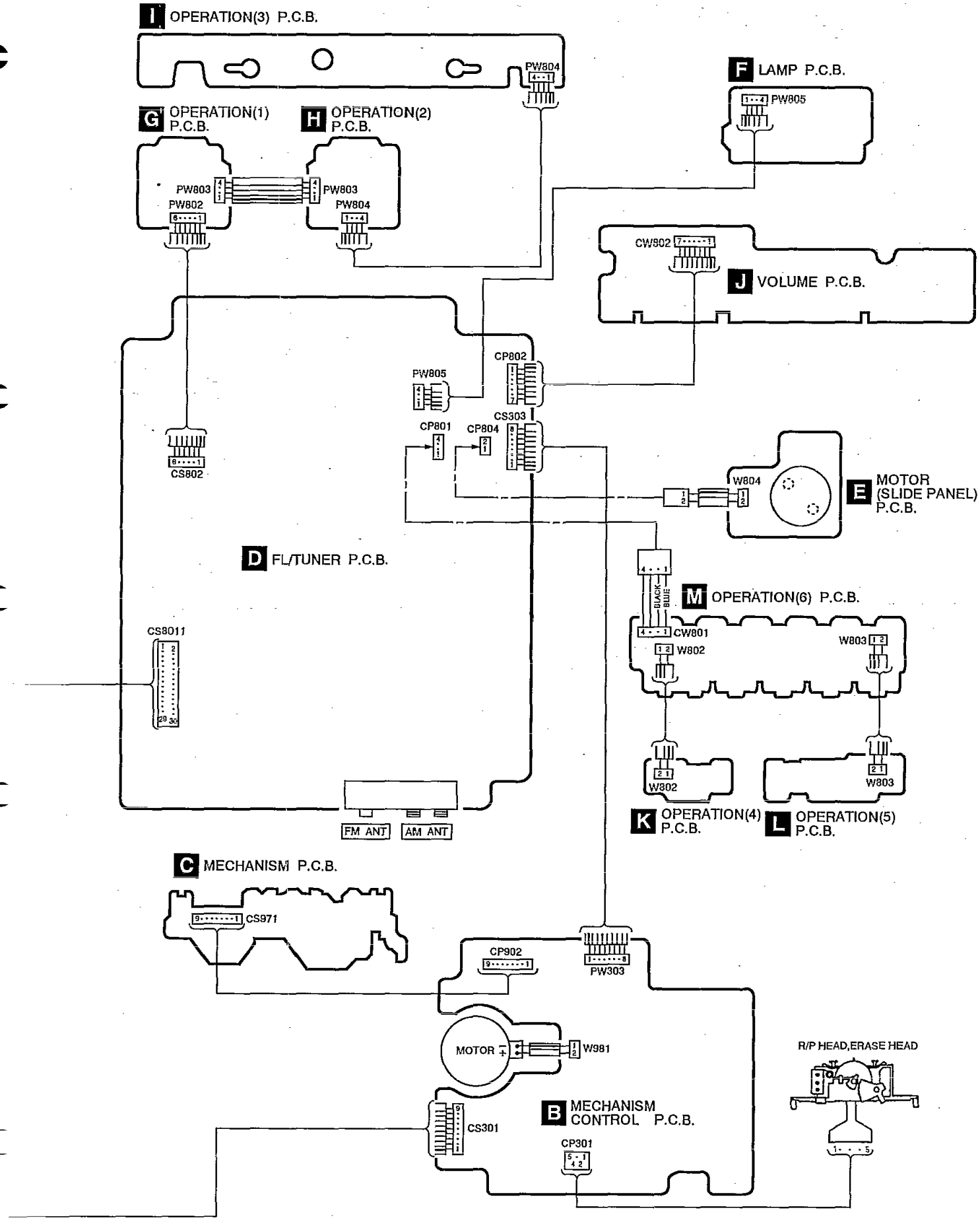

IC601
Q624
Q622
Q623
Q505
Q612
Q609
Q608
Q607
Q611
Q610
Q613
Q614
Q615
Q616
JK603
(PHONES)
REP2541A···[E,EG]
REP2541B···[EB]
REP2541D···[GN]

P POWER SUPPLY P.C.B.

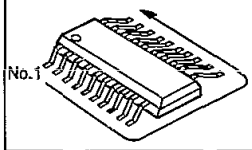
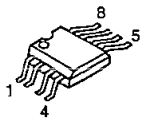
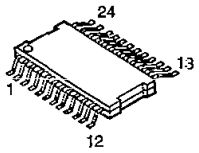
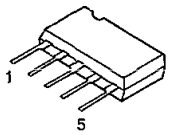
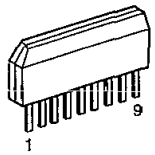
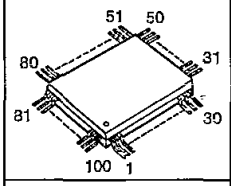
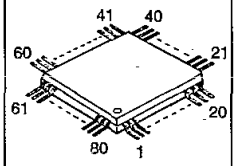
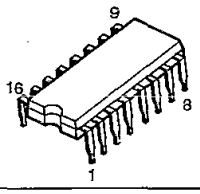
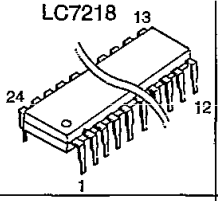
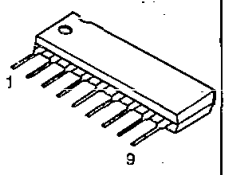
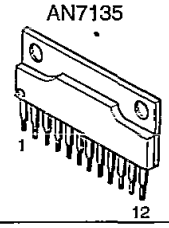
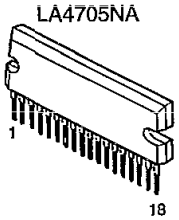
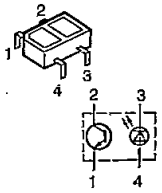
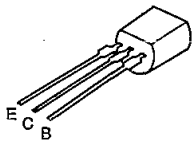
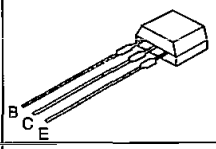
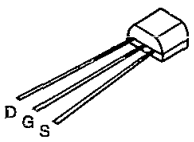
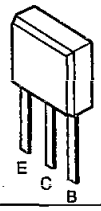
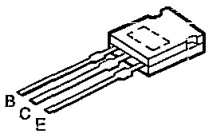
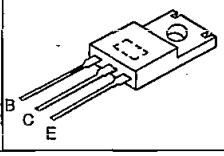
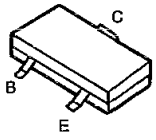
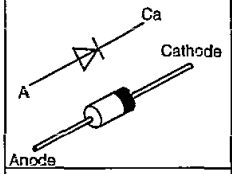
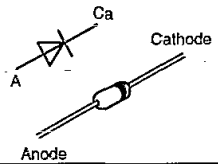
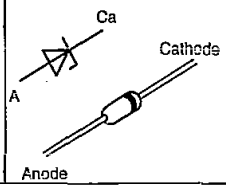
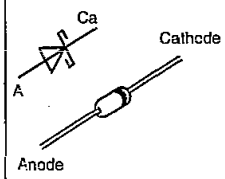
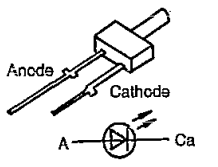
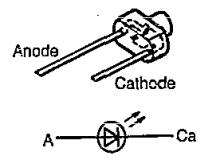


■ Wiring Connection Diagram



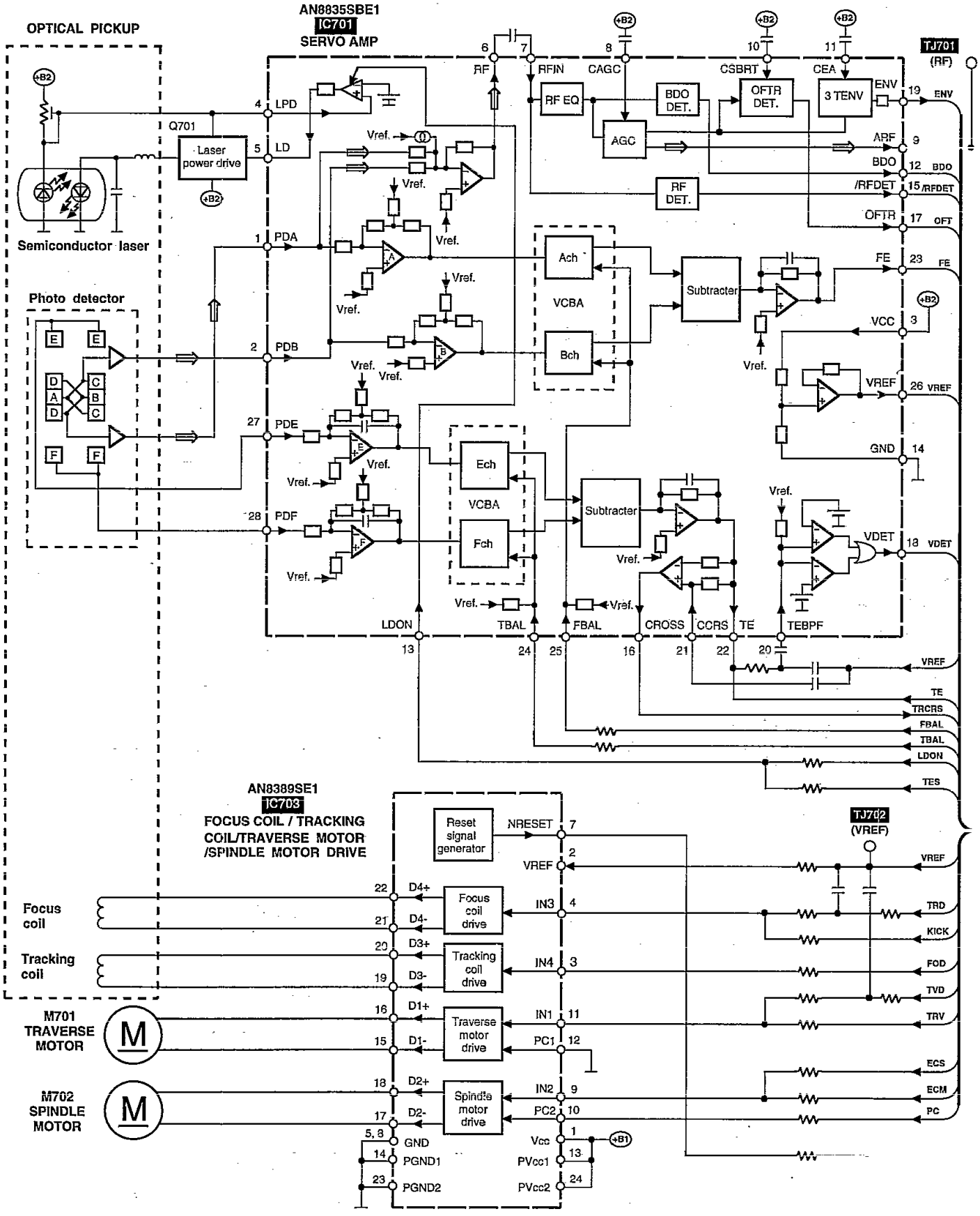

I OPERATION(3) P.C.B.
PW804
F LAMP P.C.B.
PW805
G OPERATION(1) P.C.B.
H OPERATION(2) P.C.B.
PW803
PW802
PW803
PW804
CW902
J VOLUME P.C.B.
CP802
PW805
CS303
CP801
CP804
CS802
W804
E MOTOR (SLIDE PANEL) P.C.B.
D FL/TUNER P.C.B.
BLACK
BLUE
M OPERATION(6) P.C.B.
CS8011
CW801
W803
W802
W802
W803
FM ANT
AM ANT
K OPERATION(4) P.C.B.
L OPERATION(5) P.C.B.
C MECHANISM P.C.B.
CS971
CP902
PW303
MOTOR
W981
R/P HEAD,ERASE HEAD
CS301
B MECHANISM CONTROL P.C.B.
CP301

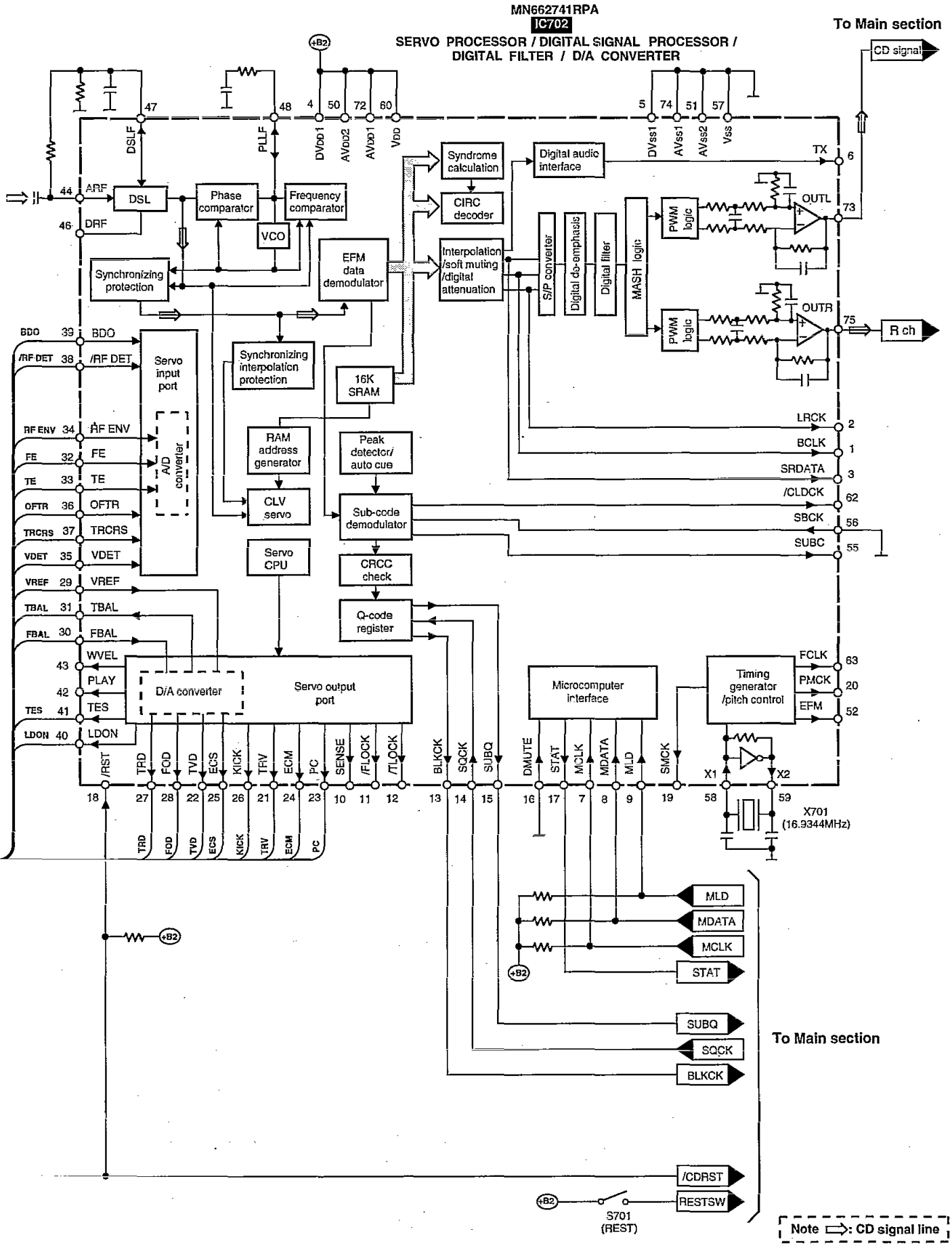
■ Type Illustration of IC's, Transistors and Diodes

AN8835SBE1 28PIN BH3857FV-E2 40PIN 		BA4558FE2 	AN8389SE1 	BA7755A 	TA7291S 
M38257M8087F 	MN662741RPA 	TA8142AP 	LA1832A LC7218 	BA6283N 	AN7135 
LA4705NA 	ON2180RLC 		2SA952LTA 2SC1845FTA 2SC2001KTA 2SC2001LTA 2SD965RTA	2SC1740SLNST 2SC1740SSTA RVTDTA114EST 	RVTDTA114YST RVTDTA143TST RVTDTA143XST RVTDTA144EST RVTDTC114EST RVTDTC114TST RVTDTC124TST RVTDTC143XST RVTDTC144EST
2SJ40CDTA 		2SB1030RTA 2SC2785FETA 2SC2785FTA 2SC2787LTA	2SD2037ETA 	2SB1566E 	2SB709STX 
1N5402BM21 RL1N4003N02 		1SS254TA 1SS291TA MA165TA		MTZJ3R0BTA MTZJ5R1BTA MTZJ5R1CTA MTZJ5R6ATA MTZJ6R8ATA MTZJ8R2BTA MTZJ9R1BTA MTZJ15CTA	RB441QT-77 
LN282RPXVTX2 	LNJ301MPUJAD 				

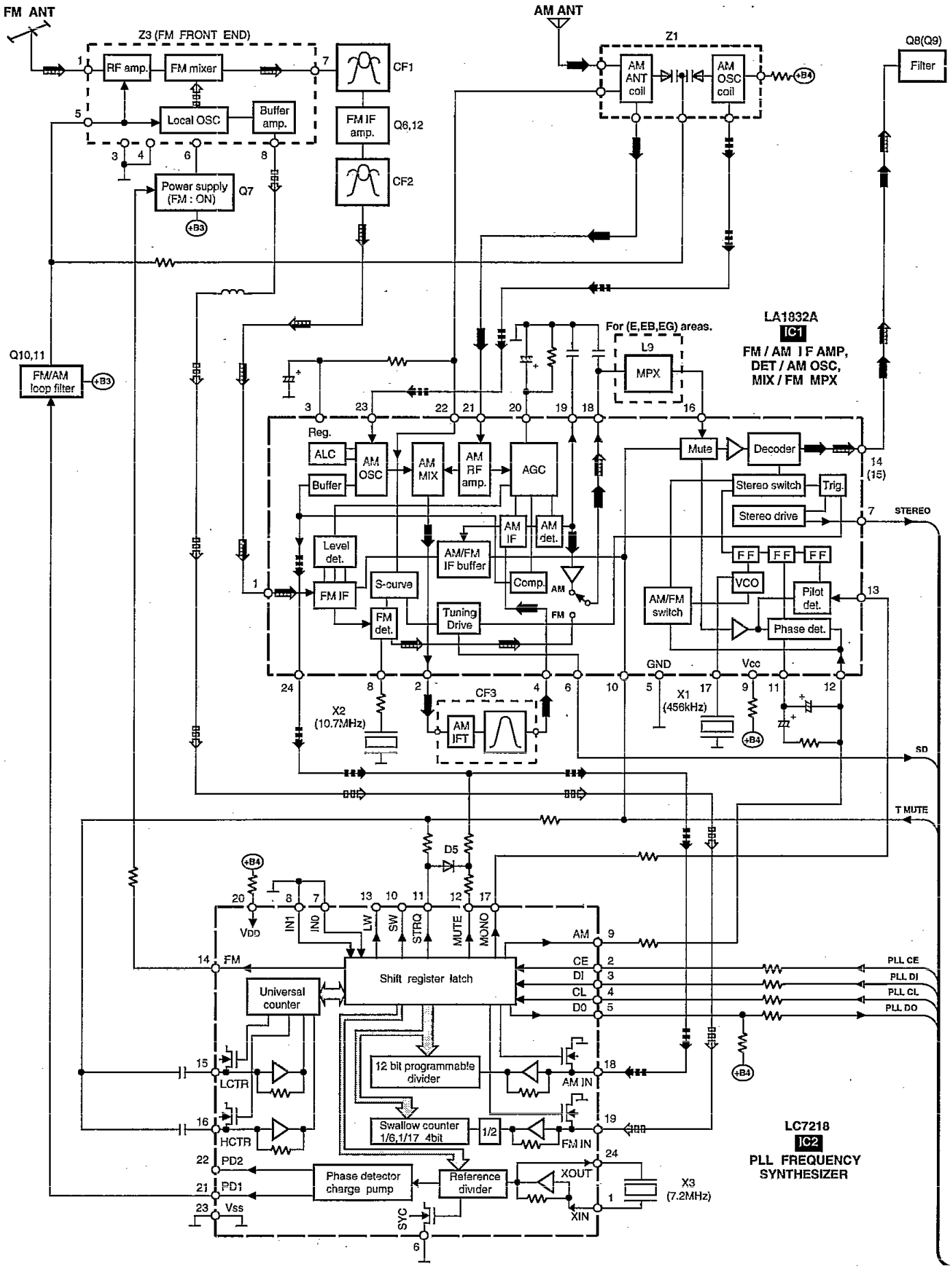
■ Block Diagram

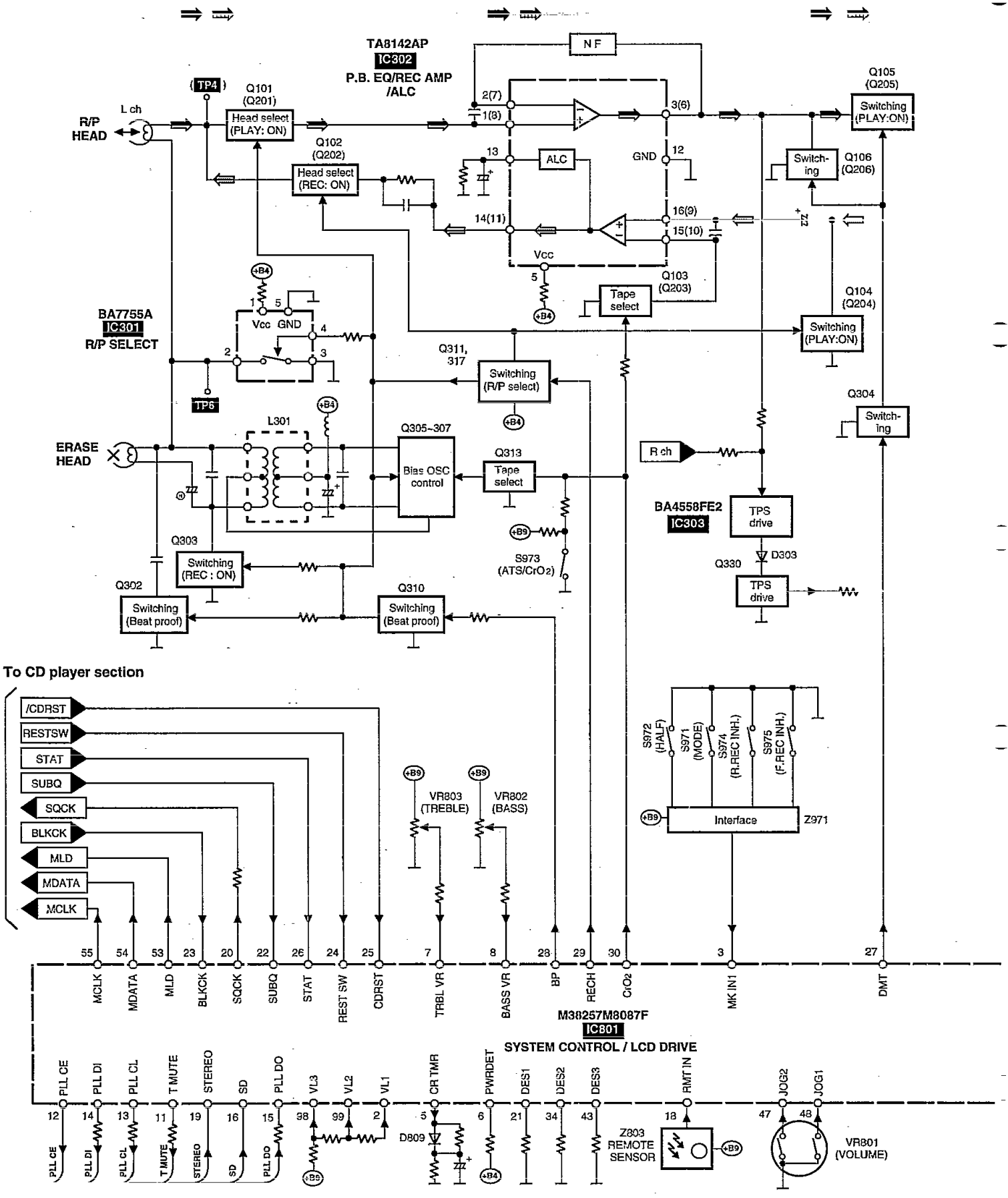
● CD player section

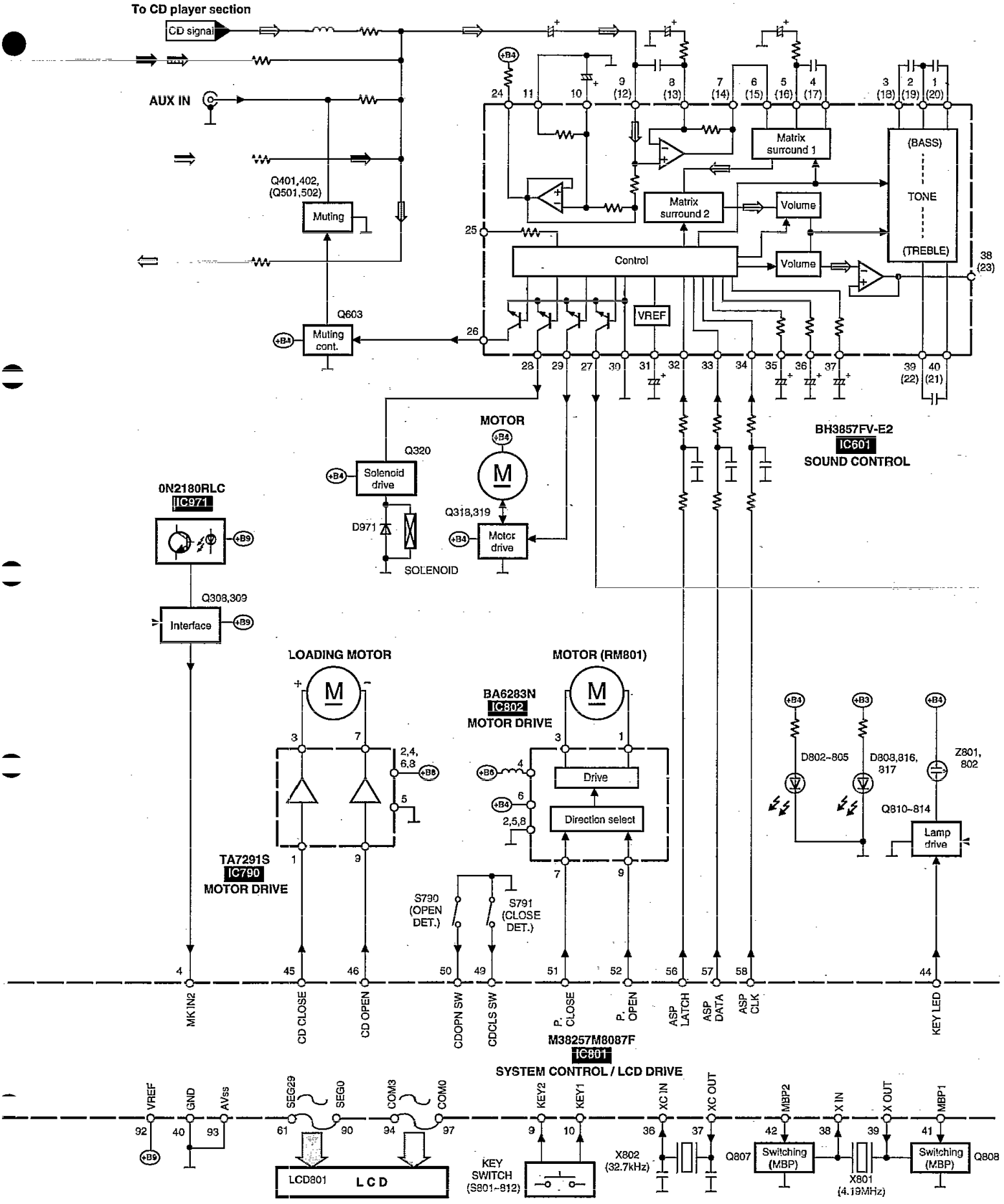


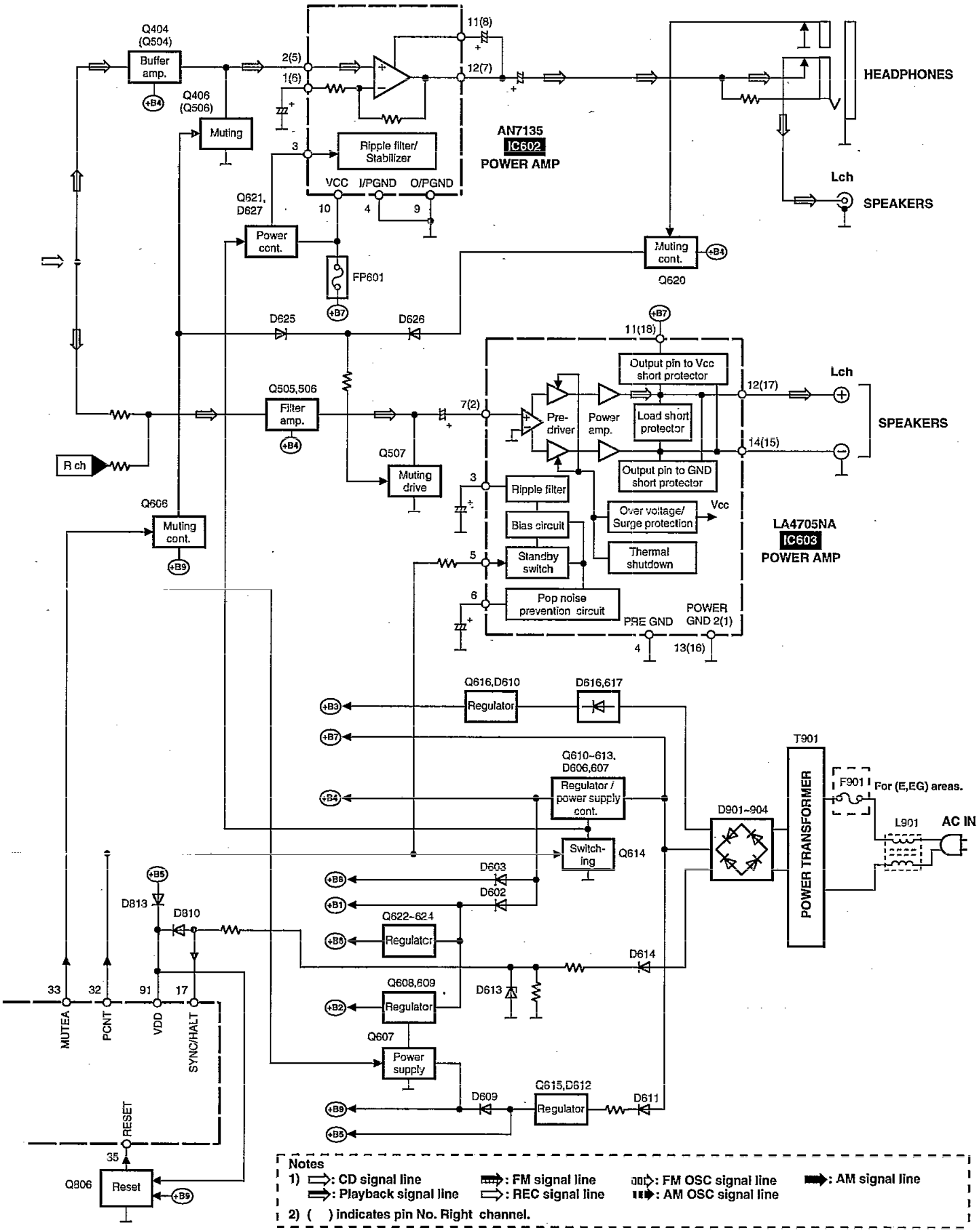

MN662741RPA
IC702
SERVO PROCESSOR / DIGITAL SIGNAL PROCESSOR /
DIGITAL FILTER / D/A CONVERTER
To Main section
CD signal
+B2
47
48
4
50
72
60
5
74
51
57
DSLF
PLLF
DVDD1
AVDD2
AVDD1
VDD
DVSS1
AVSS1
AVSS2
VSS
Syndrome calculation
CIRC decoder
Interpolation /soft muting /digital attenuation
Digital audio interface
TX
6
S/P converter
Digital de-emphasis
Digital filter
MASH logic
PWM logic
OUTL
73
OUTR
75
R ch
44
ARF
DSL
Phase comparator
Frequency comparator
VCO
46
DRF
Synchronizing protection
EFM data demodulator
Synchronizing interpolation protection
16K SRAM
RAM address generator
Peak detector/ auto cue
CLV servo
Sub-code demodulator
Servo CPU
CRCC check
Q-code register
BDO 39 BDO
/RF DET 38 /RF DET
RF ENV 34 RF ENV
FE 32 FE
TE 33 TE
OFTR 36 OFTR
TRCRS 37 TRCRS
VDET 35 VDET
VREF 29 VREF
TBAL 31 TBAL
FBAL 30 FBAL
Servo input port
A/D converter
43 WVEL
42 PLAY
TES 41 TES
LDON 40 LDON
D/A converter
Servo output port
LRCK 2
BCLK 1
SRDATA 3
/CLDCK 62
SBCK 56
SUBC 55
Microcomputer interface
Timing generator /pitch control
FCLK 63
PMCK 20
EFM 52
X1
X2
58
59
X701
(16.9344MHz)
/RST 18
TRD 27
FOD 28
TVD 22
ECS 25
KICK 26
TRV 21
ECM 24
PC 23
SENSE 10
/FLOCK 11
/TLOCK 12
BLKCK 13
SQCK 14
SUBQ 15
DMUTE 16
STAT 17
MCLK 7
MDATA 8
MLD 9
SMCK 19
MLD
MDATA
MCLK
STAT
SUBQ
SQCK
BLKCK
To Main section
/CDRST
RESTSW
S701
(REST)
Note ⇨: CD signal line

● Main section




TA8142AP
IC302
P.B. EQ/REC AMP /ALC
NF
TP4
Q101 (Q201)
Head select (PLAY: ON)
L ch
R/P HEAD
Q102 (Q202)
Head select (REC: ON)
2(7)
1(8)
3(6)
13
ALC
GND
12
14(11)
16(9)
15(10)
Vcc
Q103 (Q203)
Tape select
Q105 (Q205)
Switching (PLAY:ON)
Switch-ing
Q106 (Q206)
Q104 (Q204)
Switching (PLAY:ON)
BA7755A
IC301
R/P SELECT
Vcc GND
Q311, 317
Switching (R/P select)
TP6
Q304
Switch-ing
L301
ERASE HEAD
Q305~307
Bias OSC control
Q313
Tape select
R ch
BA4558FE2
IC303
TPS drive
D303
Q330
TPS drive
S973 (ATS/CrO2)
Q303
Switching (REC : ON)
Q302
Switching (Beat proof)
Q310
Switching (Beat proof)
To CD player section
/CDRST
RESTSW
STAT
SUBQ
SQCK
BLKCK
MLD
MDATA
MCLK
VR803 (TREBLE)
VR802 (BASS)
S972 (HALF)
S971 (MODE)
S974 (R.REC INH.)
S975 (F.REC INH.)
Interface
Z971
55 54 53 23 20 22 26 24 25 7 8 28 29 30 3 27
MCLK MDATA MLD BLKCK SQCK SUBQ STAT REST SW CDRST TRBL VR BASS VR BP RECH CrO2 MK IN1 DMT
M38257M8087F
IC301
SYSTEM CONTROL / LCD DRIVE
PLL CE PLL DI PLL CL T MUTE STEREO SD PLL DO VL3 VL2 VL1 CR TMR PWRDET DES1 DES2 DES3 RMT IN JOG2 JOG1
12 14 13 11 19 16 15 38 39 2 5 6 21 34 43 18 47 48
D809
Z803 REMOTE SENSOR
VR801 (VOLUME)


To CD player section
CD signal
AUX IN
Q401,402,
(Q501,502)
Muting
Q603
Muting cont.
+B4
24
11
10
9 (12)
8 (13)
7 (14)
6 (15)
5 (16)
4 (17)
3 (18)
2 (19)
1 (20)
Matrix surround 1
Matrix surround 2
Volume
(BASS)
TONE
(TREBLE)
Control
Volume
25
26
VREF
38 (23)
28
29
27
30
31
32
33
34
35
36
37
39 (22)
40 (21)
BH3857FV-E2
IC601
SOUND CONTROL
MOTOR
Q320
Solenoid drive
D971
SOLENOID
Q318,319
Motor drive
0N2180RLC
IC971
+B9
Q308,309
Interface
LOADING MOTOR
TA7291S
IC790
MOTOR DRIVE
2,4, 6,8
5
1
9
3
7
MOTOR (RM801)
BA6283N
IC802
MOTOR DRIVE
Drive
Direction select
4
6
2,5,8
S790 (OPEN DET.)
S791 (CLOSE DET.)
D802~805
D808,816, 817
Z801, 802
Q810~814
Lamp drive
4
45
46
50
49
51
52
56
57
58
44
MK IN2
CD CLOSE
CD OPEN
CDOPN SW
CDCLS SW
P. CLOSE
P. OPEN
ASP LATCH
ASP DATA
ASP CLK
KEY LED
M38257M8087F
IC801
SYSTEM CONTROL / LCD DRIVE
VREF
GND
AVss
SEG29
SEG0
COM3
COM0
KEY2
KEY1
XC IN
XC OUT
MBP2
X IN
X OUT
MBP1
92
40
93
61
90
94
97
9
10
36
37
42
38
39
41
LCD801
L C D
KEY SWITCH (S801~812)
X802 (32.7kHz)
Q807
Switching (MBP)
X801 (4.19MHz)
Switching (MBP)
Q808



Notes

1) ⇨: CD signal line ⇨: FM signal line ⇨: FM OSC signal line ➡: AM signal line
⇨: Playback signal line ⇨: REC signal line ⇨: AM OSC signal line

2) ( ) indicates pin No. Right channel.

■ Replacement Parts List

Notes:
*Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.

*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.
*[M] Indicates in Remarks columns parts that are supplied by MESA.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
■	01	**CM NOTHING**	1	(RTL)
■	01	**CM NOTHING**	1	(RTL)
1	RFKGAPM15EGS	FRONT PANEL ASS'Y	1	[M]
1-1	RKA0C59-K	LEG	2	[M]
2	REX0877Y	WIRE ASS'Y (6P/CW790)	1	[M]
3	RWJ1109210CG	FLAT CABLE (9P/PW301)	1	[M]
4	RWJ1108300CG	FLAT CABLE (8P/PW3C3)	1	[M]
5	RWJ1106120CG	FLAT CABLE (6P/PW802)	1	[M]
6	RWJ1104180CG	FLAT CABLE (4P/PW803)	1	[M]
7	RWJ1104300CG	FLAT CABLE (4P/PW804)	1	[M]
8	REXC876	WIRE ASS'Y (5P/PWG01)	1	[M]
9	XTV3+10F	SCREW	5	[M]
10	RGPC620-W	LCD SPACER SHEET	1	[M]
11	RMN0451	LCD HOLDER	1	[M]
12	REX0878Y	WIRE ASS'Y (4P/CW801)	1	[M]
13	REX0886Y	WIRE ASS'Y (7P/CW802)	1	[M]
14	RWJ1104110CG	FLAT CABLE (4P/PW805)	1	[M]
15	REX0875	WIRE ASS'Y (2P/WB04)	1	[M]
16	RGP0616-Q	LCD PANEL	1	[M]
17	RGP0619-S	CASSETTE LID	1	[M]
18	RGW0267-S	KNOB, BASS/TREBLE	2	[M]
19	RGW0268-S	KNOB, VOLUME/TUNING	2	[M]
20	RHD30007-S	SCREW	4	[M]
21	RKA0C59-K	LEG	2	[M]
22	RKN0355Z-S	TOP CABINET	1	[M]
23	RMR1129-K	WASHER	2	[M]
24	RGP0618-S	BUTTON PANEL	1	[M]
25	RGU1565-S	BUTTON, TIMER	1	[M]
26	RGU1566-S	BUTTON, OPEN/CLOSE	1	[M]
27	RGU1567-S	BUTTON, TUN/BAND	1	[M]
28	RGU1568-S	BUTTON, CASS EJ	1	[M]
29	RGU1569-S	BUTTON, POWER/CD	1	[M]
30	RGU1571-Q	BUTTON, CONTROL	1	[M]
31	RMK0369	BUTTON CHASSIS	1	[M]
32	RDG0402	RACK (L)	1	[M]
33	RDG0403	RACK (R)	1	[M]
34	RDG0404	GEAR	2	[M]
35	RDG0405	GEAR	1	[M]
36	RDK0032	CAM	1	[M]
37	RHD26016	SCREW	2	[M]
38	RMB0533	SPRING	1	[M]
39	RMK0368	SLIDE PANEL CHASSIS	1	[M]
40	RMS0596	GUIDE SHAFT	2	[M]
41	RMS0597	MAIN SHAFT	1	[M]
42	RDP0056	PULLEY	1	[M]
43	RMG0158	BELT	1	[M]
44	RMR1095-W	GEAR FIXTUR	1	[M]
45	XON2+C3	SCREW	2	[M]
46	RMB0477	SPRING	1	[M]
47	RYP0790-S	SLID PANEL UNIT	1	[M]
47-1	RMA1039	SLIDE MECH ANGLE	1	[M]
47-2	XTV26+6G	SCREW	5	[M]
48	XTBS26+10J	SCREW	20	[M]
49	XTV3+10G	SCREW	4	[M]
50	REE0799	FFC	1	[M]
51	REE0800	FFC	1	[M]
52	RGK0929-S	CD TRAY LID	1	[M]
53	RFKHAPM15E-S	REAR CABINET ASS'Y	1	[M]E
53	RFKHAPM15EBS	REAR CABINET ASS'Y	1	[M]EB
53	RKS0270-K	REAR CABINET ASS'Y	1	[M]EG
53	RFKHAPM15GNS	REAR CABINET ASS'Y	1	[M]GN
54	RMK0370	BOTTOM CHASSIS	1	[M]
55	REQ0191	SUPPORTER	1	[M]
56	XTB3+10JFZ	SCREW	25	[M]
57	RFKPAPM15EGS	MOTOR ASS'Y	1	[M]
58	RFKLAPM15EGS	CASSETTE LID ASS'Y	1	[M]
58-1	RUS757ZAA	SPRING	2	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
62	RDG0357	GEAR	1	[M]
A1	EUR644851	REMOTE CONTROLLER	1	[M]
⚠ A2	RJA0019-2K	AC POWER CORD	1	[M]E, EG
⚠ A2	RJA0036-K	AC POWER CORD	1	[M]GN
⚠ A2	VJA0733	AC POWER CORD	1	[M]EB
A3	RQA0117	WARRANTY CARD	1	[M]E, EB, EG
A3	RQX7433ZA	WARRANTY CARD	1	[M]GN
A4	RQCB0169	SERVICE CENTERLIST	1	[M]
A5	RQT4047-G	OPERATING INSTRUCTIONS	1	[M]EG
A5	RQT4051-E	OPERATING INSTRUCTIONS	1	[M]E
A5	RQT4053-B	OPERATING INSTRUCTIONS	1	[M]EB, GN
A6	RQT4052-R	OPERATING INSTRUCTIONS	1	[M]E
A6	RQT4078-H	OPERATING INSTRUCTIONS	1	[M]EG
A7	RSA0006	FM ANT	1	[M]GN
A7	RSA0007	FM ANT	1	[M]E, EB, EG
A9	RSA0022	AM LOOP ANT	1	[M]
C15	ECBT1C103MS5	16V 0.01U	1	[M]
C16	ECA1CM220B	16V 22uF	1	[M]
C17	ECBT1C103MS5	16V 0.01U	1	[M]
C18	ECBT1H102KB5	50V 1000P	1	[M]
C19	ECBT1C103MS5	16V 0.01U	1	[M]
C20	RCE1HKA3R3BG	50V 3.3uF	1	[M]
C21	ECA1CM101B	16V 100UF	1	[M]
C22	ECBT1C103MS5	16V 0.01U	1	[M]
C23	ECA1CM220B	16V 22uF	1	[M]
C24	ECBT1H473ZF5	50V 0.047U	1	[M]
C25	RCE1HKA4R7BG	50V 4.7uF	1	[M]
C26	ECBT1C822MR5	16V 8200pF	1	[M]
C27	ECQP2A821JZT	100V 820pF	1	[M]
C28	ECEA1HKA010B	50V 1U	1	[M]
C29, 30	ECFR1C103KR	16V 0.01U	2	[M]
C31	ECBT1H150JC5	50V 15P	1	[M]
C32	ECBT1C103MS5	16V 0.01U	1	[M]
C33	ECEA1HKA2R2B	50V 2.2U	1	[M]
C34-37	ECEA1HKA010B	50V 1U	4	[M]
C38, 39	ECBT1C822MR5	16V 8200pF	2	[M]
C40, 41	ECBT1H561KB5	50V 560P	2	[M]
C42, 43	ECBT1C562MR5	16V 5600pF	2	[M]
C44	ECA1CM101B	16V 100UF	1	[M]
C45, 46	ECEA1HKA010B	50V 1U	2	[M]
C47	ECBT1H473ZF5	50V 0.047U	1	[M]
C48	ECBT1H100JC5	50V 10P	1	[M]E, EB, EG
C48	ECBT1H8R2KC5	50V 8.2P	1	[M]GN
C49	ECBT1H331KB5	50V 330P	1	[M]E, EB, EG
C51	ECBT1C103MS5	16V 0.01U	1	[M]
C52	ECEA1EU4R7B	25V 4.7uF	1	[M]
C53	ECBT1C103MS5	16V 0.01U	1	[M]
C54	ECBT1H180JC5	50V 18P	1	[M]
C55	ECBT1H150JC5	50V 15P	1	[M]
C56	ECBT1H102KB5	50V 1000P	1	[M]
C57	ECA1CM101B	16V 100UF	1	[M]
C59	ECBT1H330J5	50V 33P	1	[M]
C60	ECBT1H102KB5	50V 1000P	1	[M]
C61	ECBT1H331KB5	50V 330P	1	[M]
C62	ECA1CM220B	16V 22uF	1	[M]
C63, 64	ECBT1C103MS5	16V 0.01U	2	[M]
C65-68	ECBT1H102KB5	50V 1000P	4	[M]E, EB, EG
C71	ECBT1H331KB5	50V 330P	1	[M]
C72	ECBT1H471KB5	50V 470P	1	[M]E, EB, EG
C73	ECBT1H2R7KC5	50V 2.7pF	1	[M]E, EB, EG
C102	ECBT1C152KR5	16V 1500P	1	[M]
C103	ECEA0JKA470B	6.3V 47UF	1	[M]
C104	ECBT1H331KB5	50V 330P	1	[M]
C105	ECFR1C153KR	16V 0.015UF	1	[M]
C106	ECEA1EKA4R7B	25V 4.7uF	1	[M]
C107	ECEA1HKA010B	50V 1U	1	[M]
C108	ECEA0JKA470B	6.3V 47UF	1	[M]
C111	ECEA1EKA4R7B	25V 4.7uF	1	[M]
C112-14	ECBT1H102KB5	50V 1000P	3	[M]
C115	ECBT1H101KB5	50V 100P	1	[M]
C202	ECBT1C152KR5	16V 1500PF	1	[M]
C203	ECEA0JKA470B	6.3V 47UF	1	[M]
C204	ECBT1H331KB5	50V 330P	1	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C205	ECFR1C153KR	16V 0.015UF	1	[M]
C206	ECEA1EKA4R7B	25V 4.7uF	1	[M]
C207	ECEA1HKA010B	50V 1U	1	[M]
C208	ECEA0JKA470B	6.3V 47UF	1	[M]
C211	ECEA1EKA4R7B	25V 4.7uF	1	[M]
C212-14	ECBT1H102KB5	50V 1000P	3	[M]
C215	ECBT1H101KB5	50V 100P	1	[M]
C301	ECEA1HN010SB	50V 1U	1	[M]
C303	ECBT1C103MS5	16V 0.01U	1	[M]
C305	ECQP2A102JZT	100V 1000pF	1	[M]
C306	ECQP2A472JZT	100V 4700pF	1	[M]
C307	ECEA1HKA010B	50V 1U	1	[M]
C308	ECA1CM101B	16V 100UF	1	[M]
C309	ECQV1H473JM3	50V 0.047uF	1	[M]
C310, 11	ECBT1H102KB5	50V 1000P	2	[M]
C312, 13	ECBT1C222MR5	16V 2200pF	2	[M]
C314	ECBT1C332MR5	16V 3300P	1	[M]
C315	ECEA1CKA100B	16V 10U	1	[M]
C316	ECFR1C104KR	16V 0.1UF	1	[M]
C317	ECBT1H470J5	50V 47P	1	[M]
C318	ECEA1HKA3R3B	50V 3.3U	1	[M]
C319	ECEA1AKA221B	10V 220uF	1	[M]
C320, 21	ECEA1AKA220B	10V 22U	2	[M]
C322	ECEA0JKA470B	6.3V 47UF	1	[M]
C323	ECBT1C103MS5	16V 0.01U	1	[M]
C324	ECBT1C472MR5	16V 4700P	1	[M]
C326	ECEA1CKA100B	16V 10U	1	[M]
C401, 02	ECBT1H101KB5	50V 100P	2	[M]E, EB, EG
C404	ECEA1CKA100B	16V 10U	1	[M]
C406	ECBT1H221KB5	50V 220P	1	[M]
C407	ECEA1CKA470B	16V 47UF	1	[M]
C408	ECBT1H102KB5	50V 1000P	1	[M]
C409	ECEA1HKAR22B	50V 0.22U	1	[M]
C410, 11	ECFR1C223MR	16V 0.022U	2	[M]
C413, 14	ECQV1H154JM3	50V 0.15UF	2	[M]
C415	ECBT1H471KB5	50V 470P	1	[M]
C416	ECEA1CKA100B	16V 10U	1	[M]
C423	ECEA1CKA100B	16V 10U	1	[M]
C424	ECBT1H471KB5	50V 470P	1	[M]
C425	ECA1CM471B	16V 470UF	1	[M]
C427	ECA1CM221B	16V 220UF	1	[M]
C428, 29	ECBT1H473ZF5	50V 0.047U	2	[M]
C430	ECEA1HKA2R2B	50V 2.2U	1	[M]
C431	ECBT1H102KB5	50V 1000P	1	[M]
C432, 33	ECFR1E104MR	25V 0.1UF	2	[M]
C435	ECBT1H473ZF5	50V 0.047U	1	[M]
C437, 38	ECEA1CKA101B	16V 100U	2	[M]
C439	ECQV1H224JM3	50V 0.22UF	1	[M]
C440	ECBT1H821KB5	50V 820P	1	[M]
C444	ECFR1C153KR	16V 0.015UF	1	[M]
C501, 02	ECBT1H101KB5	50V 100P	2	[M]E, EB, EG
C504	ECEA1CKA100B	16V 10U	1	[M]
C506	ECBT1H221KB5	50V 220P	1	[M]
C508	ECBT1H102KB5	50V 1000P	1	[M]
C509	ECEA1HKAR22B	50V 0.22U	1	[M]
C510, 11	ECFR1C223MR	16V 0.022U	2	[M]
C512	ECEA1CKA100B	16V 10U	1	[M]
C513, 14	ECQV1H154JM3	50V 0.15UF	2	[M]
C515	ECBT1H471KB5	50V 470P	1	[M]
C516	ECEA1CKA100B	16V 10U	1	[M]
C518	ECQV1H154JM3	50V 0.15UF	1	[M]
C519	ECFR1C473MR	16V 0.047U	1	[M]
C520	ECBT1H471KB5	50V 470P	1	[M]
C521	ECEA1CKA100B	16V 10U	1	[M]
C523	ECEA1CKA100B	16V 10U	1	[M]
C524	ECBT1H471KB5	50V 470P	1	[M]
C525	ECA1CM471B	16V 470UF	1	[M]
C527	ECA1CM221B	16V 220UF	1	[M]
C528, 29	ECBT1H473ZF5	50V 0.047U	2	[M]E, EB, EG
C530	ECEA1HKA2R2B	50V 2.2U	1	[M]
C531	ECBT1H102KB5	50V 1000P	1	[M]
C532, 33	ECFR1E104MR	25V 0.1UF	2	[M]
C535	ECBT1H473ZF5	50V 0.047U	1	[M]E, EB, EG
C537, 38	ECEA1CKA101B	16V 100U	2	[M]
C539	ECQV1H224JM3	50V 0.22U	1	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C540	ECBT1H821KB5	50V 820P	1	[M]
C541	ECBT1H331KB5	50V 330P	1	[M]
C542	ECEA1CKA100B	16V 10U	1	[M]
C544	ECFR1C153KR	16V 0.015UF	1	[M]
C606	ECEA1CKA100B	16V 10U	1	[M]
C607	ECEA1HKAR33B	50V 0.33UF	1	[M]
C608-10	ECEA1HKA010B	50V 1U	3	[M]
C611	ECEA1CKA101B	16V 100U	1	[M]
C613	ECA1CM471B	16V 470UF	1	[M]
C615	ECEA1AKA220B	10V 22U	1	[M]
C616	ECA1EM471B	25V 22UF	1	[M]
C617	ECEA1AKA220B	10V 22U	1	[M]
C618	ECA1EM331B	25V 330UF	1	[M]
C620	ECEA1CKA101B	16V 100U	1	[M]
C621	ECEA1CKA330B	16V 33UF	1	[M]
C622	ECEA1HKA010B	50V 1U	1	[M]
C624, 25	ECEA1CKA100B	16V 10U	2	[M]
C626	ECA1CM221B	16V 220UF	1	[M]
⚠ C628	ECA1EM682E	25V 6800UF	1	[M]
C629	ECBT1C103MS5	16V 0.01U	1	[M]
C630	ECEA1CKA470B	16V 47UF	1	[M]
C631	ECA1EM471B	25V 22UF	1	[M]
C632, 33	ECA1EM221B	25V 220UF	2	[M]
C635	ECBT1H102KB5	50V 1000P	1	[M]
C636	ECBT1H330J5	50V 33P	1	[M]
C637, 38	ECBT1H102KB5	50V 1000P	2	[M]
C639	ECBT1C103MS5	16V 0.01U	1	[M]
C640	ECEA1CKA470B	16V 47UF	1	[M]
C642-44	ECBT1H101KB5	50V 100P	3	[M]
C645	ECA1AM471B	16V 470UF	1	[M]
C646	ECBT1C103MS5	16V 0.01U	1	[M]
C647	ECBT1H221KB5	50V 220P	1	[M]
C648, 49	ECA1EM221B	25V 220UF	2	[M]
C790	ECA1AKF820E	10V 82U	1	[M]
C801	ECBT1H102KB5	50V 1000P	1	[M]
C806, 07	ECA0JM102B	6.3V 1000UF	2	[M]
C809	ECEA0JKA470B	6.3V 47UF	1	[M]
C810-17	ECBT1H561KB5	50V 560P	8	[M]
C818	ECBT1H101KB5	50V 100P	1	[M]
C819	ECBT1C103MS5	16V 0.01U	1	[M]
C820, 21	ECBT1H180JC5	50V 18OP	2	[M]
C822-25	ECBT1H680J5	50V 68P	4	[M]
C826, 27	ECBT1H102KB5	50V 1000P	2	[M]
C828-30	ECBT1H101KB5	50V 100P	3	[M]
C831, 32	ECEA1HKA010B	50V 1U	2	[M]
C833	ECBT1C103MS5	16V 0.01U	1	[M]
C836	ECA1AM331B	10V 330UF	1	[M]
C837	ECA1CM101B	16V 100UF	1	[M]
C838-40	ECBT1H331KB5	50V 330P	3	[M]
C901-04	ECKR1H103ZF5	50V 0.01U	4	[M]
C905	ECQV1H154JM3	50V 0.15UF	1	[M]
CF1	RLFFETNGD01L	CERAMIC FILTER	1	[M]E, EB, EG
CF1	RLFFETYND01M	CERAMIC FILTER	1	[M]GN
CF2	RLFFETNGD01L	CERAMIC FILTER	1	[M]E, EB, EG
CF2	RLFFETYND01M	CERAMIC FILTER	1	[M]GN
CP301	RJS1A6805-1	CONNECTOR (5P)	1	[M]
CP801	SJTD413	CONNECTOR (4P)	1	[M]
CP802	RJP7G18ZA	CONNECTOR (7P)	1	[M]
CP804	RJT026W02V-1	CONNECTOR (2P)	1	[M]
CP902	RJT071H09A	CONNECTOR (9P)	1	[M]
CS301	RJS9T7ZA	CONNECTOR (9P)	1	[M]
CS303	RJS1A5208	CONNECTOR (8P)	1	[M]
CS702	RJS1A6823-J	CONNECTOR (23P)	1	[M]
CS801	RJS1A6830-J	CONNECTOR (30P)	1	[M]
CS802	RJS1A5206	CONNECTOR (6P)	1	[M]
CS901	RJT025W005	CONNECTOR (5P)	1	[M]
CS8011	RJS1A6330-J	CONNECTOR (30P)	1	[M]
⚠ D4	MTZJ5R1CTA	DIODE	1	[M]
D5	1SS254TA	DIODE	1	[M]
D301	1SS254TA	DIODE	1	[M]
D303	1SS254TA	DIODE	1	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D602, 03	RL1N4003N02	DIODE	2	[M]
D605, 06	1SS254TA	DIODE	2	[M]
⚠ D607	MTZJ6R1BTA	DIODE	1	[M]
D609	1SS291TA	DIODE	1	[M]
⚠ D610	MTZJ15CTA	DIODE	1	[M]
⚠ D611	RL1N4003N02	DIODE	1	[M]
⚠ D612	MTZJ6R8ATA	DIODE	1	[M]
⚠ D613	MTZJ5R1BTA	DIODE	1	[M]
⚠ D614	RL1N4003N02	DIODE	1	[M]
⚠ D616	RL1N4003N02	DIODE	1	[M]
⚠ D617	RL1N4003N03	DIODE	1	[M]
D625, 26	1SS254TA	DIODE	2	[M]
D627	RB441QT77	DIODE	1	[M]
⚠ D631	MTZJ5R6ATA	DIODE	1	[M]
D802-05	LNJ301MPUJAD	LED	4	[M]
D808	LN282RPXVTX2	LED	1	[M]
D809	1SS254TA	DIODE	1	[M]
D810	1SS291TA	DIODE	1	[M]
D811	1SS254TA	DIODE	1	[M]
D813	1SS291TA	DIODE	1	[M]
D814	MTZJ3R0BTA	DIODE	1	[M]
D815	MTZJ8R2BTA	DIODE	1	[M]
D816, 17	LNJ301MPUJAD	LED	2	[M]
⚠ D901-04	1N5402B-M21	DIODE	4	[M]
D971	MA165TA	DIODE	1	[M]
⚠ F901	XBA2C06TB0	FUSE	1	[M]
FH901, 02	EYF52BC	FUSE HOLDER	2	[M]
⚠ FP801	RSFM32CKT-L	PROTECTOR	1	[M]
IC1	LA1832A	I.C	1	[M]
IC2	LC7218	I.C	1	[M]
IC301	BA7755A	I.C	1	[M]
IC302	TA8142AP	I.C	1	[M]
IC303	BA4558FE2	I.C	1	[M]
IC501	BH3857FV-E2	I.C	1	[M]
IC602	AN7135	I.C	1	[M]
IC603	LA4705NA	I.C	1	[M]
IC790	TA7291S	I.C	1	[M]
IC801	M38257M8C27F	I.C	1	[M]
IC802	BA6283N	I.C	1	[M]
IC971	ON2180RLC	I.C	1	[M]
JK1	RJH5210M	ANTENNA	1	[M]E, EB, EG
JK1	RJH5404M	ANTENNA	1	[M]GN
JK601	RJH2206	RCA PIN (AUX)	1	[M]
JK602	RJH5410	SP. TERMINAL	1	[M]
JK603	RJJ39T01	HP JACK	1	[M]
JK604	RJH2208	RCA PIN (SP. TERM)	1	[M]
⚠ JK901	SJS9236	AC IN	1	[M]
L3	RLQZPR47KT-Y	COIL	1	[M]
L4, L5	ELEPKR68MA	COIL	2	[M]
L6, L7	ELELN822KL	COIL	2	[M]
L8	RLQZP1RCKT-Y	COIL	1	[M]
L9	SLN1B10-1M	COIL	1	[M]E, EB, EG
L301	RLQ8S003-K	BIAS COIL	1	[M]
L303	RLQA470JT1-Y	AXIAL COIL	1	[M]
L401	RLL500050T-Y	COIL	1	[M]
L501	RLL500050T-Y	COIL	1	[M]
L601	RLL500050T-Y	COIL	1	[M]
L904	RLQZ3470KT-D	COIL	1	[M]
⚠ L901	RLQZ271M	COIL	1	[M]
LCD801	RSL5186-L	LCD	1	[M]
P1	RPG3538	GIFT BOX	1	[M]GN
P1	RPG3568	GIFT BOX	1	[M]EG
P1	RPG3581	GIFT BOX	1	[M]E
P1	RPG3582	GIFT BOX	1	[M]EB
P2	SPSD152	PAD	1	[M]
P3	XZB25X34C03X	POLYETHYLENE COVER	1	[M]
P4	RPH0192	SHEET	1	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
P5	RPN1073	PAD	1	[M]
P6	RPN1064	PAD	1	[M]
Q6	2SC2787LTA	TRANSISTOR	1	[M]
Q7	RVTDTA114EST	TRANSISTOR	1	[M]
Q8, Q9	2SC1740SSTA	TRANSISTOR	2	[M]
Q10, 11	2SC2785FETA	TRANSISTOR	2	[M]
Q12	2SC2787LTA	TRANSISTOR	1	[M]
Q101, 02	2SJ40CDTA	TRANSISTOR	2	[M]
Q103, 04	2SC2785FTA	TRANSISTOR	2	[M]
Q105	2SJ40CDTA	TRANSISTOR	1	[M]
Q106	RVTDTC124TST	TRANSISTOR	1	[M]
Q201, 02	2SJ40CDTA	TRANSISTOR	2	[M]
Q203, 04	2SC2785FTA	TRANSISTOR	2	[M]
Q205	2SJ40CDTA	TRANSISTOR	1	[M]
Q206	RVTDTC124TST	TRANSISTOR	1	[M]
Q302	2SC1845FTA	TRANSISTOR	1	[M]
Q303	2SC2001LTA	TRANSISTOR	1	[M]
Q304	RVTDTC114TST	TRANSISTOR	1	[M]
Q305-09	2SC2785FTA	TRANSISTOR	5	[M]
Q310	RVTDTC114EST	TRANSISTOR	1	[M]
Q311	RVTDTC143XST	TRANSISTOR	1	[M]
Q313	2SC2785FTA	TRANSISTOR	1	[M]
Q317, 18	RVTDTA143XST	TRANSISTOR	2	[M]
Q319	2SD965RTA	FET	1	[M]
Q320	2SB1030RTA	TRANSISTOR	1	[M]
Q330	2SC2785FTA	TRANSISTOR	1	[M]
Q401, 02	2SC2785FTA	TRANSISTOR	2	[M]
Q404	2SC1740SLNST	TRANSISTOR	1	[M]
Q406	2SC2785FTA	TRANSISTOR	1	[M]
Q501, 02	2SC2785FTA	TRANSISTOR	2	[M]
Q504, 05	2SC1740SLNST	TRANSISTOR	2	[M]
Q506	2SC2785FTA	TRANSISTOR	1	[M]
Q507	2SC2001LTA	TRANSISTOR	1	[M]
Q508	2SC1740SLNST	TRANSISTOR	1	[M]
Q603	RVTDTA144EST	TRANSISTOR	1	[M]
Q606	RVTDTA114EST	TRANSISTOR	1	[M]
Q607	RVTDTA143XST	TRANSISTOR	1	[M]
⚠ Q608	2SC2785FTA	TRANSISTOR	1	[M]
⚠ Q609	2SA952LTA	TRANSISTOR	1	[M]
⚠ Q610	2SB1566E	TRANSISTOR	1	[M]
⚠ Q611	2SC2785FTA	TRANSISTOR	1	[M]
Q612	RVTDTA143TST	TRANSISTOR	1	[M]
Q613	RVTDTA114YST	TRANSISTOR	1	[M]
Q614	RVTDTC144EST	TRANSISTOR	1	[M]
⚠ Q615, 16	2SD2037ETA	TRANSISTOR	2	[M]
Q620	2SC2785FTA	TRANSISTOR	1	[M]
Q621	RVTDTA114EST	TRANSISTOR	1	[M]
Q622, 23	2SC2001KTA	TRANSISTOR	2	[M]
⚠ Q624	2SC2785FTA	TRANSISTOR	1	[M]
Q806	RVTDTC144EST	TRANSISTOR	1	[M]
Q807, 08	2SC2785FTA	TRANSISTOR	2	[M]
Q810	2SC20Q1KTA	TRANSISTOR	1	[M]
Q811	2SC2785FTA	TRANSISTOR	1	[M]
Q812	2SC2001KTA	TRANSISTOR	1	[M]
Q813	2SC2785FTA	TRANSISTOR	1	[M]
Q814	2SC2001KTA	TRANSISTOR	1	[M]
R15	ERDS2TJ101T	1/4W 100	1	[M]
R16	ERDS2TJ822T	1/4W 8.2K	1	[M]E, EB, EG
R17	ERDS2TJ331T	1/4W 330	1	[M]
R18	ERDS2TJ471T	1/4W 470	1	[M]
R19	ERDS2TJ474T	1/4W 470K	1	[M]E, EB, EG
R20	ERDS2TJ562T	1/4W 5.6K	1	[M]
R21	ERDS2TJ822T	1/4W 8.2K	1	[M]
R22	ERDS2TJ473T	1/4W 47K	1	[M]
R23	ERDS2TJ332T	1/4W 3.3K	1	[M]
R24	ERDS2TJ472T	1/4W 4.7K	1	[M]
R25	ERDS2TJ271T	1/4W 270	1	[M]
R26	ERDS2TJ471T	1/4W 470	1	[M]
R27	ERDS2FJ272	1/4W 2.7K	1	[M]
R28	ERDS2TJ473T	1/4W 47K	1	[M]
R29	ERDS2TJ101T	1/4W 100	1	[M]
R32, 33	ERDS2FJ272	1/4W 2.7K	2	[M]
R34, 35	ERDS2TJ103T	1/4W 10K	2	[M]

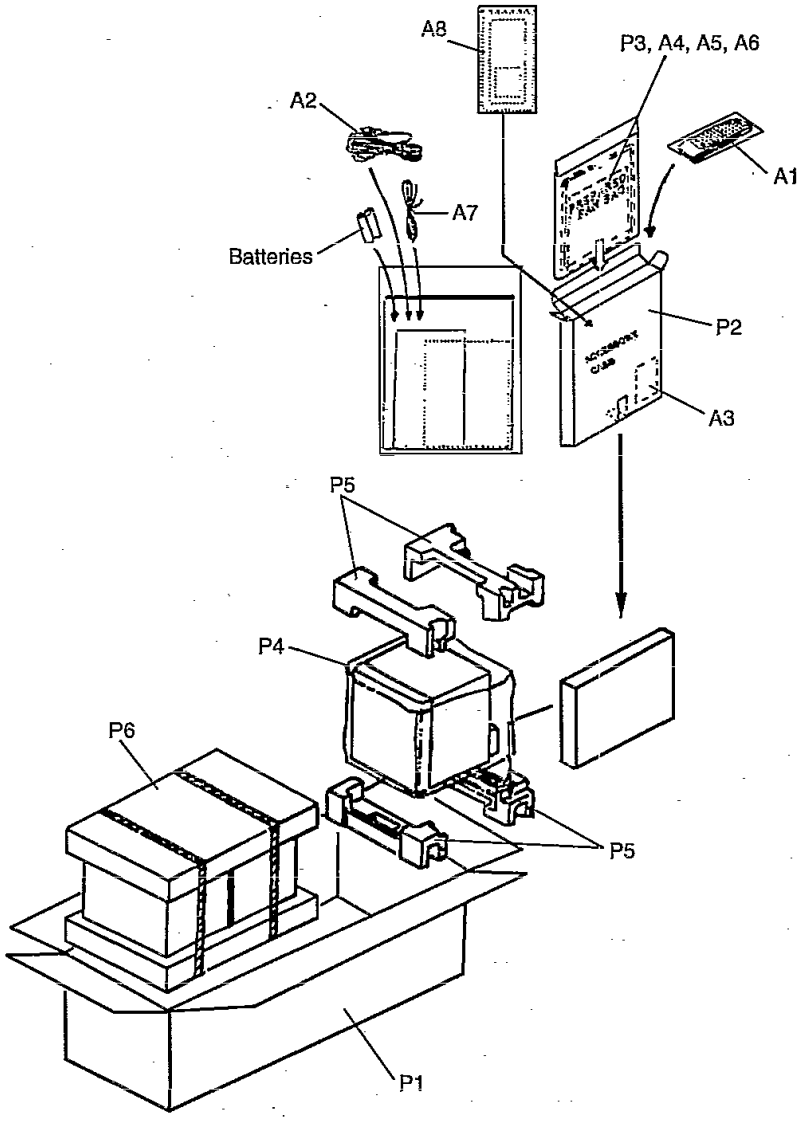
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R36, 37	ERDS2TJ474T	1/4W 470K	2	[M]
R38, 39	ERDS2TJ182T	1/4W 1.8K	2	[M]
R40	ERDS2TJ391T	1/4W 390	1	[M]
R41, 42	ERDS2TJ273T	1/4W 27K	2	[M]
R43-45	ERDS2TJ102T	1/4W 1K	3	[M]
R46	ERDS2TJ104T	1/4W 100K	1	[M]
R47	ERDS2TJ562T	1/4W 5.6K	1	[M]
R48	ERDS2TJ391T	1/4W 390	1	[M]
R49	ERDS2TJ561T	1/4W 560	1	[M]
R50	ERDS2TJ102T	1/4W 1K	1	[M]
R51	ERDS2TJ103T	1/4W 10K	1	[M]
R52-56	ERDS2TJ102T	1/4W 1K	5	[M]
R57, 58	ERDS2TJ103T	1/4W 10K	2	[M]
R60	ERDS2TJ563T	1/4W 56K	1	[M]
R61	ERDS2TJ102T	1/4W 1K	1	[M]
R63	ERDS2TJ103T	1/4W 10K	1	[M]
R64	ERDS2FJ680	1/4W 68	1	[M]
R65	ERDS2TJ103T	1/4W 10K	1	[M]
R76	ERDS2TJ331T	1/4W 330	1	[M]E, EB, EG
R77	ERDS2TJ474T	1/4W 470K	1	[M]E, EB, EG
R78	ERDS2FJ680	1/4W 68	1	[M]
R101	ERDS2TJ474T	1/4W 470K	1	[M]
R102	ERDS2TJ153T	1/4W 15K	1	[M]
R103	ERDS2FJ560	1/4W 56	1	[M]
R104	ERDS2TJ681T	1/4W 680	1	[M]
R105	ERDS2TJ103T	1/4W 10K	1	[M]
R107	ERDS2TJ334T	1/4W 330K	1	[M]
R109	ERDS2TJ273T	1/4W 27K	1	[M]
R110	ERDS2TJ222T	1/4W 2.2K	1	[M]
R111	ERDS2FJ392	1/4W 3.9K	1	[M]
R112	ERDS2TJ470T	1/4W 47	1	[M]
R113	ERDS2FJ392	1/4W 3.9K	1	[M]
R114	ERDS2TJ472T	1/4W 4.7K	1	[M]
R115	ERDS2TJ333T	1/4W 33K	1	[M]
R116	ERDS2TJ152T	1/4W 1.5K	1	[M]
R201	ERDS2TJ474T	1/4W 470K	1	[M]
R202	ERDS2TJ153T	1/4W 15K	1	[M]
R203	ERDS2FJ560	1/4W 56	1	[M]
R204	ERDS2TJ681T	1/4W 680	1	[M]
R205	ERDS2TJ103T	1/4W 10K	1	[M]
R207	ERDS2TJ334T	1/4W 330K	1	[M]
R209	ERDS2FJ273	1/4W 27K	1	[M]
R210	ERDS2FJ222	1/4W 2.2K	1	[M]
R211	ERDS2FJ392	1/4W 3.9K	1	[M]
R212	ERDS2TJ470T	1/4W 47	1	[M]
R213	ERDS2FJ392	1/4W 3.9K	1	[M]
R214	ERDS2TJ472T	1/4W 4.7K	1	[M]
R215	ERDS2TJ333T	1/4W 33K	1	[M]
R216	ERDS2TJ152T	1/4W 1.5K	1	[M]
R301	ERDS2TJ474T	1/4W 470K	1	[M]
R302	ERDS2TJ104T	1/4W 100K	1	[M]
R303	ERDS2TJ103T	1/4W 10K	1	[M]
R304, 05	ERDS2TJ152T	1/4W 1.5K	2	[M]
R307, 08	ERDS2TJ153T	1/4W 15K	2	[M]
R309	ERDS2TJ331T	1/4W 330	1	[M]
R310	ERDS2TJ103T	1/4W 10K	1	[M]
⚠ R311	ERD2FCJ4R7	1/4W 4.7	1	[M]
R312	ERDS2FJ752	1/4W 7.5K	1	[M]
R313	ERDS2TJ472T	1/4W 4.7K	1	[M]
R314	ERDS2TJ153T	1/4W 15K	1	[M]
R315	ERDS2TJ472T	1/4W 4.7K	1	[M]
R316	ERDS2TJ470T	1/4W 47	1	[M]
R317	ERDS2TJ103T	1/4W 10K	1	[M]
R318	ERDS2FJ682	1/4W 6.8K	1	[M]
R319	ERDS2FJ823	1/4W 82K	1	[M]
R320, 21	ERDS2TJ103T	1/4W 10K	2	[M]
R322	ERDS2TJ102T	1/4W 1K	1	[M]
R323	ERDS2TJ393T	1/4W 39K	1	[M]
R324	ERDS2TJ822T	1/4W 8.2K	1	[M]
R325	ERDS2TJ562T	1/4W 5.6K	1	[M]
R326	ERDS2FJ682	1/4W 6.8K	1	[M]
R327	ERDS2TJ102T	1/4W 1K	1	[M]
R328	ERDS2TJ101T	1/4W 100	1	[M]
R329	ERDS2TJ335T	1/4W 3.3M	1	[M]
R330	ERDS2FJ823	1/4W 82K	1	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R331	ERDS2TJ104T	1/4W 100K	1	[M]
R332	ERDS2TJ333T	1/4W 33K	1	[M]
R333	ERDS2TJ472T	1/4W 4.7K	1	[M]
R334	ERDS2TJ393T	1/4W 39K	1	[M]
R335	ERDS2FJ682	1/4W 6.8K	1	[M]
R336	ERDS2TJ681T	1/4W 680	1	[M]
R337	ERDS2TJ273T	1/4W 27K	1	[M]
R338	ERDS2TJ332T	1/4W 3.3K	1	[M]
R339	ERDS2TJ473T	1/4W 47K	1	[M]
R340	ERDS2TJ223T	1/4W 22K	1	[M]
R342	ERDS2TJ123T	1/4W 12K	1	[M]
R352	ERDS2TJ473T	1/4W 47K	1	[M]
R354	ERDS2TJ332T	1/4W 3.3K	1	[M]
R355	ERDS2TJ222T	1/4W 2.2K	1	[M]
R391	ERDS2TJ223T	1/4W 22K	1	[M]
R395	ERDS2TJ103T	1/4W 10K	1	[M]
R396, 97	ERDS2TJ102T	1/4W 1K	2	[M]
R399	ERDS2TJ102T	1/4W 1K	1	[M]
R401	ERDS2FJ183	1/4W 18K	1	[M]
R404	ERDS2TJ562T	1/4W 5.6K	1	[M]
R405	ERDS2FJ183	1/4W 18K	1	[M]
R408	ERDS2TJ333T	1/4W 33K	1	[M]
R410	ERDS2TJ472T	1/4W 4.7K	1	[M]
R411	ERDS2TJ222T	1/4W 2.2K	1	[M]
R414	ERDS2TJ472T	1/4W 4.7K	1	[M]
R415	ERDS2TJ223T	1/4W 22K	1	[M]
R416	ERDS2TJ104T	1/4W 100K	1	[M]
R417	ERDS2TJ472T	1/4W 4.7K	1	[M]
R418	ERDS2TJ473T	1/4W 47K	1	[M]
R423	ERDS2TJ273T	1/4W 27K	1	[M]
R424	ERDS2TJ102T	1/4W 1K	1	[M]
R425	ERDS2TJ562T	1/4W 5.6K	1	[M]
R426	ERDS2TJ820T	1/4W 82	1	[M]
R429, 30	ERDS2FJ2R2	1/4W 2.2	2	[M]
R433	ERDS2TJ100T	1/4W 10	1	[M]
R434	ERDS2TJ1R2T	1/4W 1.2	1	[M]
R435	ERDS2TJ1R0T	1/4W 1	1	[M]
R438	ERDS2TJ103T	1/4W 10K	1	[M]
R439	ERDS2FJ682	1/4W 6.8K	1	[M]
R444	ERDS2TJ103T	1/4W 10K	1	[M]
R501	ERDS2FJ183	1/4W 18K	1	[M]
R504	ERDS2TJ562T	1/4W 5.6K	1	[M]
R505	ERDS2FJ183	1/4W 18K	1	[M]
R508	ERDS2TJ333T	1/4W 33K	1	[M]
R510	ERDS2TJ472T	1/4W 4.7K	1	[M]
R511	ERDS2TJ222T	1/4W 2.2K	1	[M]
R514	ERDS2TJ472T	1/4W 4.7K	1	[M]
R515	ERDS2TJ223T	1/4W 22K	1	[M]
R516	ERDS2TJ104T	1/4W 100K	1	[M]
R517	ERDS2TJ472T	1/4W 4.7K	1	[M]
R518	ERDS2TJ473T	1/4W 47K	1	[M]
R519	ERDS2TJ153T	1/4W 15K	1	[M]
R520	ERDS2TJ223T	1/4W 22K	1	[M]
R521	ERDS2TJ472T	1/4W 4.7K	1	[M]
R522	ERDS2TJ222T	1/4W 2.2K	1	[M]
R523	ERDS2TJ273T	1/4W 27K	1	[M]
R524	ERDS2TJ102T	1/4W 1K	1	[M]
R525	ERDS2TJ562T	1/4W 5.6K	1	[M]
R526	ERDS2TJ820T	1/4W 82	1	[M]
R528	ERDS2TJ472T	1/4W 4.7K	1	[M]
R529, 30	ERDS2FJ2R2	1/4W 2.2	2	[M]
R533	ERDS2TJ100T	1/4W 10	1	[M]
R534	ERDS2TJ1R2T	1/4W 1.2	1	[M]
R535	ERDS2TJ1R0T	1/4W 1	1	[M]
R538	ERDS2TJ103T	1/4W 10K	1	[M]
R539	ERDS2FJ682	1/4W 6.8K	1	[M]
R540	ERDS2TJ474T	1/4W 470K	1	[M]
R541	ERDS2TJ182T	1/4W 1.8K	1	[M]
R542	ERDS2TJ222T	1/4W 2.2K	1	[M]
R544	ERDS2TJ103T	1/4W 10K	1	[M]
R606	ERDS2TJ472T	1/4W 4.7K	1	[M]
R607, 08	ERDS2TJ223T	1/4W 22K	2	[M]
R611	ERDS2TJ472T	1/4W 4.7K	1	[M]
R612	ERDS2TJ101T	1/4W 100	1	[M]
R613	ERDS2TJ681T	1/4W 680	1	[M]

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R614	ERDS2TJ104T	1/4W 100K	1	[M]
R615, 16	ERDS2TJ334T	1/4W 330K	2	[M]
R617, 18	ERDS2TJ330T	1/4W 33	2	[M]
R619	ERDS2TJ221T	1/4W 220	1	[M]
R623	ERDS2TJ103T	1/4W 10K	1	[M]
R624	ERDS2TJ102T	1/4W 1K	1	[M]
R625	ERDS2TJ472T	1/4W 4.7K	1	[M]
R626	ERDS2TJ122T	1/4W 1.2K	1	[M]
R627	ERDS2TJ331T	1/4W 330	1	[M]
R628	ERDS2TJ103T	1/4W 10K	1	[M]
R629	ERDS2TJ331T	1/4W 330	1	[M]
R630	ERDS2TJ681T	1/4W 680	1	[M]
R631	ERDS2TJ103T	1/4W 10K	1	[M]
R632-34	ERDS2TJ1R2T	1/4W 1.2	3	[M]
R635, 36	ERDS2TJ222T	1/4W 2.2K	2	[M]
R637, 38	ERDS2TJ102T	1/4W 1K	2	[M]
R639	ERD2FCG470	1/4W 47	1	[M]
R641	ERDS2TJ101T	1/4W 100	1	[M]
R642	ERDS2TJ122T	1/4W 1.2K	1	[M]
R643	ERDS2TJ103T	1/4W 10K	1	[M]
R644-47	ERDS1FVJ270T	1/2W 27	4	[M]
R648	ERDS2TJ1R2T	1/4W 1.2	1	[M]
R649	ERDS2TJ151T	1/4W 150	1	[M]
R650	ERDS2TJ122T	1/4W 1.2K	1	[M]
R651	ERDS2FJ272	1/4W 2.7K	1	[M]
R653	ERDS2FJ272	1/4W 2.7K	1	[M]
R657	ERDS2TJ122T	1/4W 1.2K	1	[M]
R658	ERDS2TJ333T	1/4W 33K	1	[M]
R659	ERDS2TJ472T	1/4W 4.7K	1	[M]
R669	ERDS2TJ333T	1/4W 33K	1	[M]
R672, 73	ERDS2TJ103T	1/4W 10K	2	[M]
R675	ERDS2TJ103T	1/4W 10K	1	[M]
R678	ERDS2TJ103T	1/4W 10K	1	[M]
R679	ERDS2TJ332T	1/4W 3.3K	1	[M]
R680	ERDS2TJ104T	1/4W 100K	1	[M]
R682	ERDS2TJ472T	1/4W 4.7K	1	[M]
R684	ERDS2TJ271T	1/4W 270	1	[M]
R685	ERDS2TJ101T	1/4W 100	1	[M]
R686	ERDS2FJ3R3	1/4W 3.3	1	[M]
R687	ERDS2TJ271T	1/4W 270	1	[M]
R801	ERDS2TJ472T	1/4W 4.7K	1	[M]
R802	ERDS2TJ223T	1/4W 22K	1	[M]
R804	ERDS2TJ332T	1/4W 3.3K	1	[M]
R805	ERDS2TJ102T	1/4W 1K	1	[M]
R806, 07	ERDS2TJ101T	1/4W 100	2	[M]
R809, 09	ERDS2TJ102T	1/4W 1K	2	[M]
R810	ERDS2TJ331T	1/4W 330	1	[M]
R811-13	ERDS2FJ823	1/4W 82K	3	[M]
R814	ERDS2TJ222T	1/4W 2.2K	1	[M]
R815	ERDS2TJ104T	1/4W 100K	1	[M]
R816	ERDS2TJ561T	1/4W 560	1	[M]
R817	ERDS2TJ104T	1/4W 100K	1	[M]
R818	ERDS2TJ153T	1/4W 15K	1	[M]
R819-24	ERDS2TJ472T	1/4W 4.7K	6	[M]
R825	ERDS2TJ102T	1/4W 1K	1	[M]
R826	ERDS2TJ103T	1/4W 10K	1	[M]
R827-29	ERDS2TJ472T	1/4W 4.7K	3	[M]
R830, 31	ERDS2TJ102T	1/4W 1K	2	[M]
R832	ERDS2TJ222T	1/4W 2.2K	1	[M]
R833	ERDS2TJ106T	1/4W 10M	1	[M]
R834	ERDS2TJ681T	1/4W 680	1	[M]
R835	ERDS2TJ334T	1/4W 330K	1	[M]
R836, 37	ERDS2TJ472T	1/4W 4.7K	2	[M]
R838, 39	ERDS2TJ473T	1/4W 47K	2	[M]
R840, 41	ERDS1FJ1C3	1/2W 10K	2	[M]
R842, 43	ERDS2TJ102T	1/4W 1K	2	[M]
R844	ERDS2TJ122T	1/4W 1.2K	1	[M]
R845	ERDS2TJ182T	1/4W 1.8K	1	[M]
R846	ERDS2TJ222T	1/4W 2.2K	1	[M]
R847	ERDS2FJ272	1/4W 2.7K	1	[M]
R848	ERDS2TJ472T	1/4W 4.7K	1	[M]
R849	ERDS2FJ682	1/4W 6.8K	1	[M]
R850	ERDS2TJ103T	1/4W 10K	1	[M]
R851, 52	ERDS2TJ102T	1/4W 1K	2	[M]
R853	ERDS2TJ122T	1/4W 1.2K	1	[M]

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R854	ERDS2TJ182T	1/4W 1.8K	1	[M]
R855	ERDS2TJ222T	1/4W 2.2K	1	[M]
R856	ERDS2FJ272	1/4W 2.7K	1	[M]
R857	ERDS2TJ472T	1/4W 4.7K	1	[M]
R858	ERDS2FJ682	1/4W 6.8K	1	[M]
R859	ERDS2TJ103T	1/4W 10K	1	[M]
R860	ERDS2TJ223T	1/4W 22K	1	[M]
R861	ERDS2TJ683T	1/4W 68K	1	[M]
R862	ERDS2TJ473T	1/4W 47K	1	[M]
R864	ERDS2TJ102T	1/4W 1K	1	[M]
R866	ERDS2TJ153T	1/4W 15K	1	[M]
R867	ERDS2TJ152T	1/4W 1.5K	1	[M]
R868	ERDS2FJ105	1/4W 1M	1	[M]
R869, 70	ERDS2TJ222T	1/4W 2.2K	2	[M]
R871	ERDS2TJ103T	1/4W 10K	1	[M]
R873	ERDS2TJ103T	1/4W 10K	1	[M]
R875, 76	ERDS2TJ103T	1/4W 10K	2	[M]
R877, 78	ERDS2TJ223T	1/4W 22K	2	[M]
R879	ERDS2TJ332T	1/4W 3.3K	1	[M]
R880, 81	ERDS2TJ102T	1/4W 1K	2	[M]
R882, 83	ERDS2TJ103T	1/4W 10K	2	[M]
R884-86	ERDS2FJ220	1/4W 22	3	[M]
R887-89	ERDS2TJ222T	1/4W 2.2K	3	[M]
R891	ERDS2TJ121T	1/4W 120	1	[M]
R972	ERDS2FJ821	1/4W 820	1	[M]
R973	ERDS2FJ393	1/4W 39K	1	[M]
RM301	RRD0030	MOTOR	1	[M]
S790, 91	RSH1A005	SW	2	[M]
S801-22	EVQPTD05Q	SW	22	[M]
S971	RSH1A018-1U	SW	1	[M]
S972-75	RSH1A019-1U	SW	4	[M]
T901	RTP1M38011-X	POWER TRANSFORMER	1	[M]
VR801	RRV163241046	V.R	1	[M]
VR802, 03	RRV09A05B54A	V.R	2	[M]
X1	RSXZ456KM01	OSCILLATOR	1	[M]
X2	RLFDFT11DD	OSCILLATOR	1	[M]
X3	SVG49U722T-S	OSCILLATOR	1	[M]
X801	EFOEN4194T4	OSCILLATOR	1	[M]
X802	RSXD32K7S02	OSCILLATOR	1	[M]
Z1	RLA2Z002M-T	ANT COIL	1	[M]
Z2	RL12Z006M-T	IF BLOCK	1	[M]
Z3	ENV1729DG1Y	TUNER PACK	1	[M]E, EB, EG
Z3	RALC023	TUNE PACK	1	[M]GN
Z801, 02	XAMR138	LAMP	2	[M]
Z803	RCD12042TH	SENSOR	1	[M]
Z971	EXBF7L355SYV	COMPONENT COMBNATION	1	[M]

■ Packaging



■ Replacement Parts List (for CD Servo Circuit)

All parts are supplied by MESA.

Ref. No.	Part No.	Part Name & Description	Remarks
		CD SERVO CIRCUIT	
		INTEGRATED CIRCUIT (S)	
IC701	AN8835SBE1	IC	
IC702	MN662741RPA	IC	
IC703	AN8389SE1	IC	
		TRANSISTOR (S)	
Q701	2SB709S	TRANSISTOR	
		COIL (S)	
L701-705	RLBN102V-Y	COIL	
		OSCILLATOR (S)	
X701	RSXB16M9J02T	OSCILLATOR	
		SWITCH (ES)	
S701	RSM0006-P	SW	
		CONNECTOR (S)	
CN701	RJU035T016-1	CONNECTOR (16P)	
CN702	RJS2A4230	CONNECTOR (30P)	

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R701	ERJ6GEYJ4R7V	1/10W 4.7
R703	ERJ6GEYJ823	1/10W 82K
R704	ERJ6GEYJ102A	1/10W 1K
R705	ERJ6GEYJ103V	1/10W 10K
R706	ERJ6GEYJ102A	1/10W 1K
R707	ERJ6GEYJ474V	1/10W 470K
R708	ERJ6GEYJ154V	1/10W 150K
R709	ERJ6GEYJ683V	1/10W 68K
R711	ERJ6GEYJ154V	1/10W 150K
R712	ERJ6GEYJ221V	1/10W 220
R714	ERJ6GEYJ121V	1/10W 120
R717, 718	ERJ6GEYJ102A	1/10W 1K
R719	ERJ8GEY0R00A	1/8W 0.00
R720	ERJ6GEY0R00A	1/10W 0.00
R721	ERJ6GEYJ101V	1/10W 100
R722	ERJ6GEYJ563V	1/10W 56K
R723	ERJ6GEYJ182V	1/10W 1.8K
R724	ERJ6GEYJ333V	1/10W 33K
R725	ERJ6GEYJ472V	1/10W 4.7K
R726	ERJ6GEYJ473V	1/10W 47K
R727	ERJ6GEYJ822V	1/10W 8.2K
R728	ERJ6GEYJ103V	1/10W 10K
R731	ERJ6GEYJ822V	1/10W 8.2K
R735, 736	ERJ6GEYJ101V	1/10W 100
R744	ERJ6GEYJ103V	1/10W 10K
R745	ERJ6GEYJ155V	1/10W 1.5M
R748	ERJ6GEYJ182V	1/10W 1.8K
R749	ERJ6GEYJ682V	1/10W 6.8K
R750, 751	ERJ6GEYJ473V	1/10W 47K
R752	ERJ8GEYJ220V	1/8W 22
R770, 771	ERJ6GEYJ155V	1/10W 1.5M
R772	ERJ6GEYJ273V	1/10W 27K
		CHIP JAMPER(S)
RJ701-710	ERJ8GEY0R00A	1/8W 0.00
RJ711	ERJ6GEY0R00A	1/10W 0.00
RJ713	ERJ6GEY0R00A	1/10W 0.00
RJ714-717	ERJ8GEY0R00A	1/8W 0.00
RJ721-731	ERJ6GEY0R00A	1/10W 0.00
		TEST JUMPER(S)
TJ701, 702	EYF8CU	
		CAPACITORS
C701	ECEA0JKA330I	6.3V 33U

Ref. No.	Part No.	Values & Remarks
C702	ECUZNE104MBN	25V 0.1U
C703	ECEA0JKA101I	6.3V 100U
C704, 705	ECUZNE104MBN	25V 0.1U
C706	ECUV1H272KBN	50V 2700P
C707	ECUV1E273KBN	25V 0.027U
C708	ECUE1H472KBN	50V 4700P
C709	ECUE1C473KBN	16V 0.047U
C710	ECUV1H182KBN	50V 1800P
C711, 712	ECUWNE104ZFN	25V 0.1U
C713	ECUV1C104MBM	16V 0.1U
C714	ECEA0JKA101I	6.3V 100U
C716	ECUE1H561KBN	50V 560P
C717	ECUWNE104ZFN	25V 0.1U
C718	ECUVNC224KBN	16V 0.22U
C721	ECUV1H100DCN	50V 10P
C722	ECUV1H150JCN	50V 15P
C723	ECEA1AKA221I	10V 220U
C724	ECUV1C104MBM	16V 0.1U
C725, 726	ECUE1H102KBN	50V 1000P
C730	ECUWNE104ZFN	25V 0.1U
C731, 732	ECEA0JKA221I	6.3V 220U
C733	ECUZNE104MBN	25V 0.1U
C734	ECEA1AKA221I	10V 220U
C735-737	ECUWNE104ZFN	25V 0.1U
C738	ECUV1C154KBN	16V 0.15U
C742	ECUV1E273KBN	25V 0.027U
C743	ECUWNE104ZFN	25V 0.1U
C744	ECUE1E822KBN	25V 8200P
C745	ECUE1H102KBN	50V 1000P
C747	ECUE1H222KBN	50V 2200P
C748	ECUV1H471KBM	50V 470P
C749	ECUZNE104MBN	25V 0.1U
C750	ECUV1C104MBM	16V 0.1U
C751	ECUZNE104MBN	25V 0.1U
C752	ECUE1H152KBN	50V 1500P
C753	ECUV1H471KBM	50V 470P

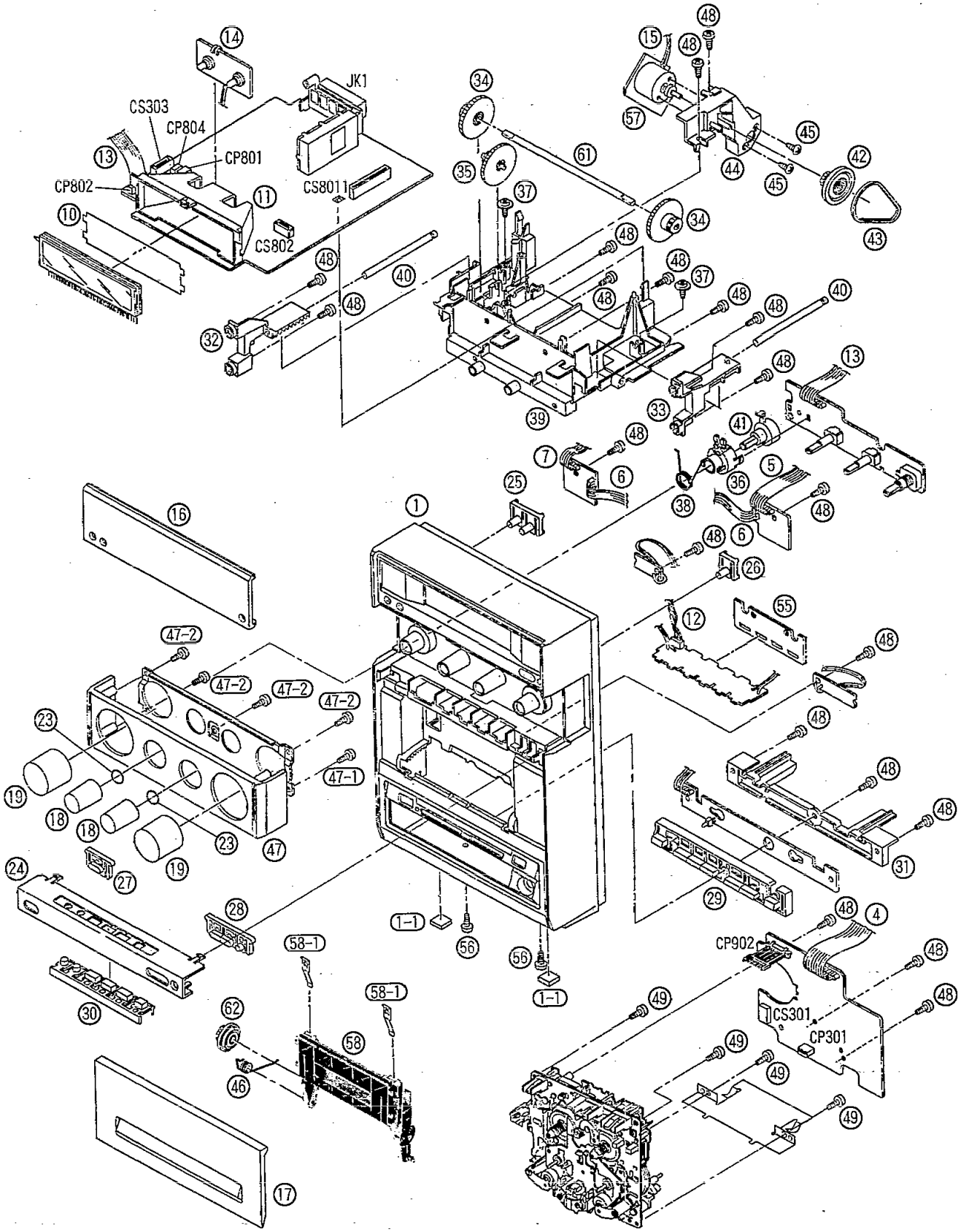
■ Replacement Parts List (for Mechanism and Loading Unit)

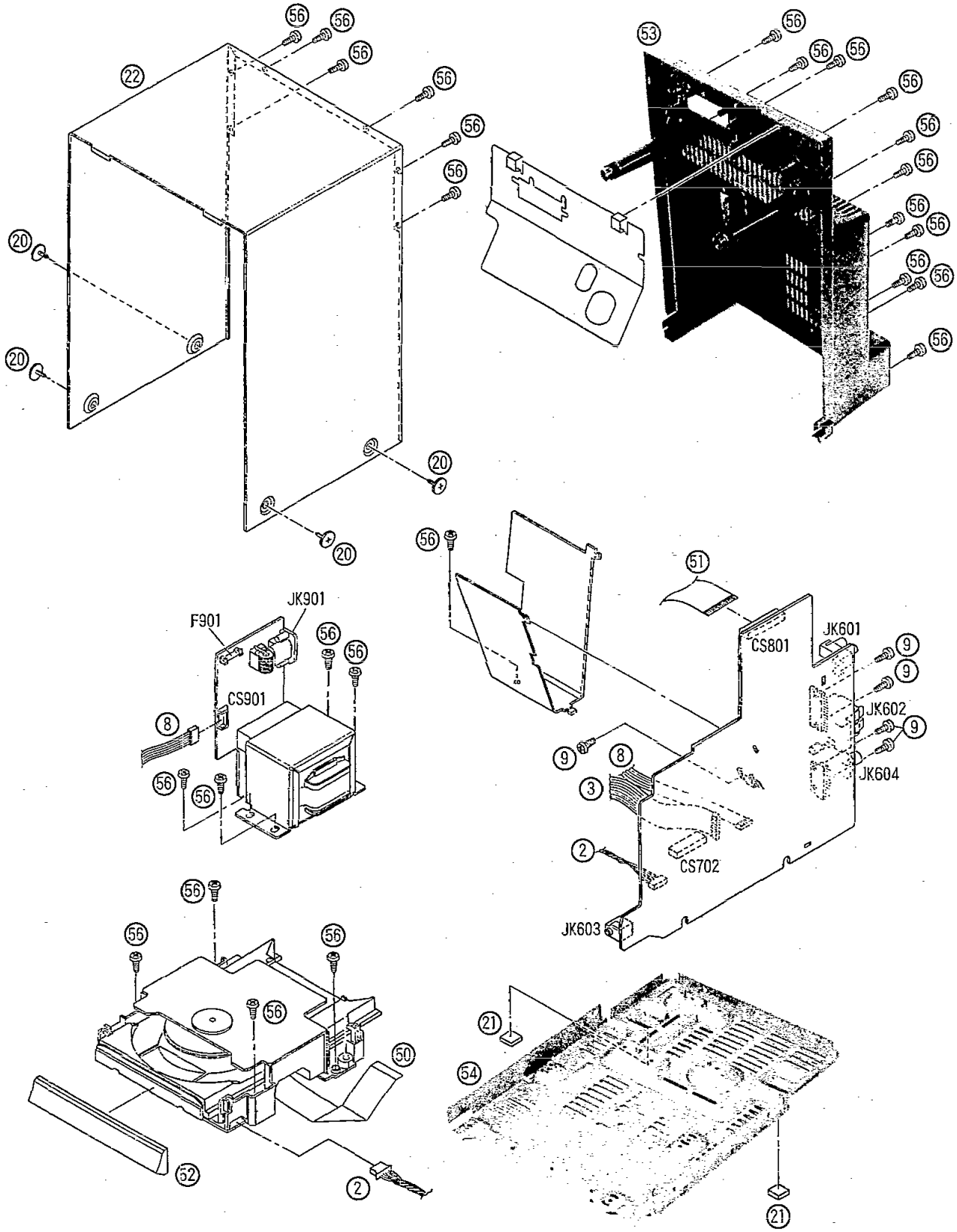
All parts are supplied by MESA.

Ref. No.	Part No.	Part Name & Description	Remarks
		MECHANISM PARTS	
202	RED0043	HEAD BLOCK(R/P)	
202-1	RHD17015	SCREW	
203	RDG0300	REEL TABLE ASS'Y	
204	RDG0301	GEAR	
205	RDK0026	GEAR	
207	RDV0033-1	BELT1	
208	RDV0034	BELT2	
210	RMB0399	SPRING	
211	RMB0400	SPRING	
212	RMB0403	SPRING	
213	RMB0404	SPRING	
214	RMB0406	SPRING	
215	RMB0408	SPRING	
216	RML0370	LEVER	
217	RML0371	LEVER	
218	RML0372	LEVER	
219	RML0374	LEVER	
220	RMM0131	ROD	
221	RMM0133	ROD	
222	RMQ0519	REEL CAP	
223	RMS0398-1	SHAFT	
224	RSJ0003	PLUNGER ASS'Y	
225	RUS609ZC	SPRING	
226	RXF0049	FLYWHEEL ASS'Y	
227	RXF0050	FLYWHEEL ASS'Y	
228	RXG0040	GEAR	
229	RMK0283	SUB CHASSIS	
230	RXL0124	PINCH ROLLER ASS'Y	
230-1	RMB0401	SPRING	
231	RXL0125	PINCH ROLLER ASS'Y	
231-1	RMB0402	SPRING	
232	RXL0126	ARM	
233	RXQ0412	CHASSIS ASS'Y	
233-1	RMB0405	SPIRNG	
233-2	RMM0132	ROD	
234	REM0055	MOTOR ASS'Y	
235	RHD26022	SCREW	
236	XTW2+5L	SCREW	
237	XTW26+10S	SCREW	
238	XYC2+JF17	SCREW	
240	RFKJSTR280PP	MAIN CHASSIS ASS'Y	

Ref. No.	Part No.	Part Name & Description	Remarks
		LOADING UNIT	
301	RFKJXDT07-K	ROADING CHASSIS ASS'Y	
301-1	RDG0142	GEAR	
301-2	RDG0193	GEAR	
301-3	RDP0065	PULLY	
302	REM0019	MOTOR	
303	RMK0255	BELT COVER	
304	RGQ0144-K	DISC TRAY	
305 ⚠	RAE0150Z	TRAVERSE DECK	
305-1	SHGD113-1	RUBBER(A)	
305-2	SNSD38	SCREW	
306	RMS0350	PIN(B)	
307	RMS0123-1	PIN(A)	
308	RME0109	SPRING(A)	
309	RME0142	SPRING(B)	
310	RMR0698-K	TRAVERSE CHASSIS	
311	XTV2+6G	SCREW	
312	RME0063	SPRING	
313	RMM0079-1	SLIDE PLATE(A)	
314	RML0178-1	LEVER	
315	RFKXLPG440-K	GEAR ASS'Y(B)	
316	RHD20009-1	SCREW	
317	RME0087	SPRING	
318	RML0349	LEVER	
319	RMM0059-1	SLIDE PLATE(B)	
320	RMR0334	HOLDER	
321	RHM245ZA	MAGNET	
322	RXQ0380	MAGNET HOLDER	
323	XTN26+6G	SCREW	
324	RMA0793	CLAMPER	
325	XYN2+F6FZ	SCREW	
326	RMG0158	BELT	
327	XTN26+6G	SCREW	

■ Cabinet Parts Location

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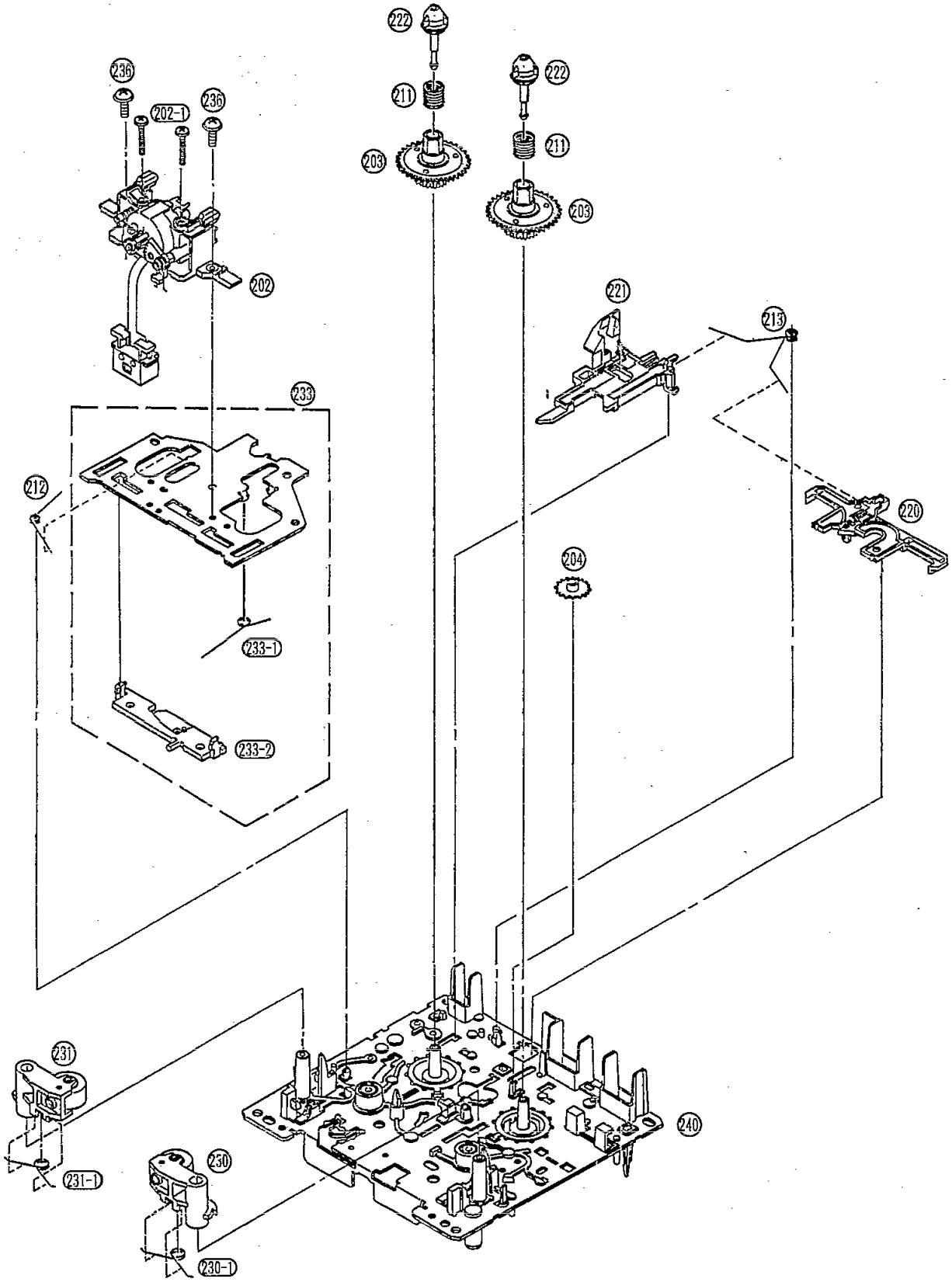
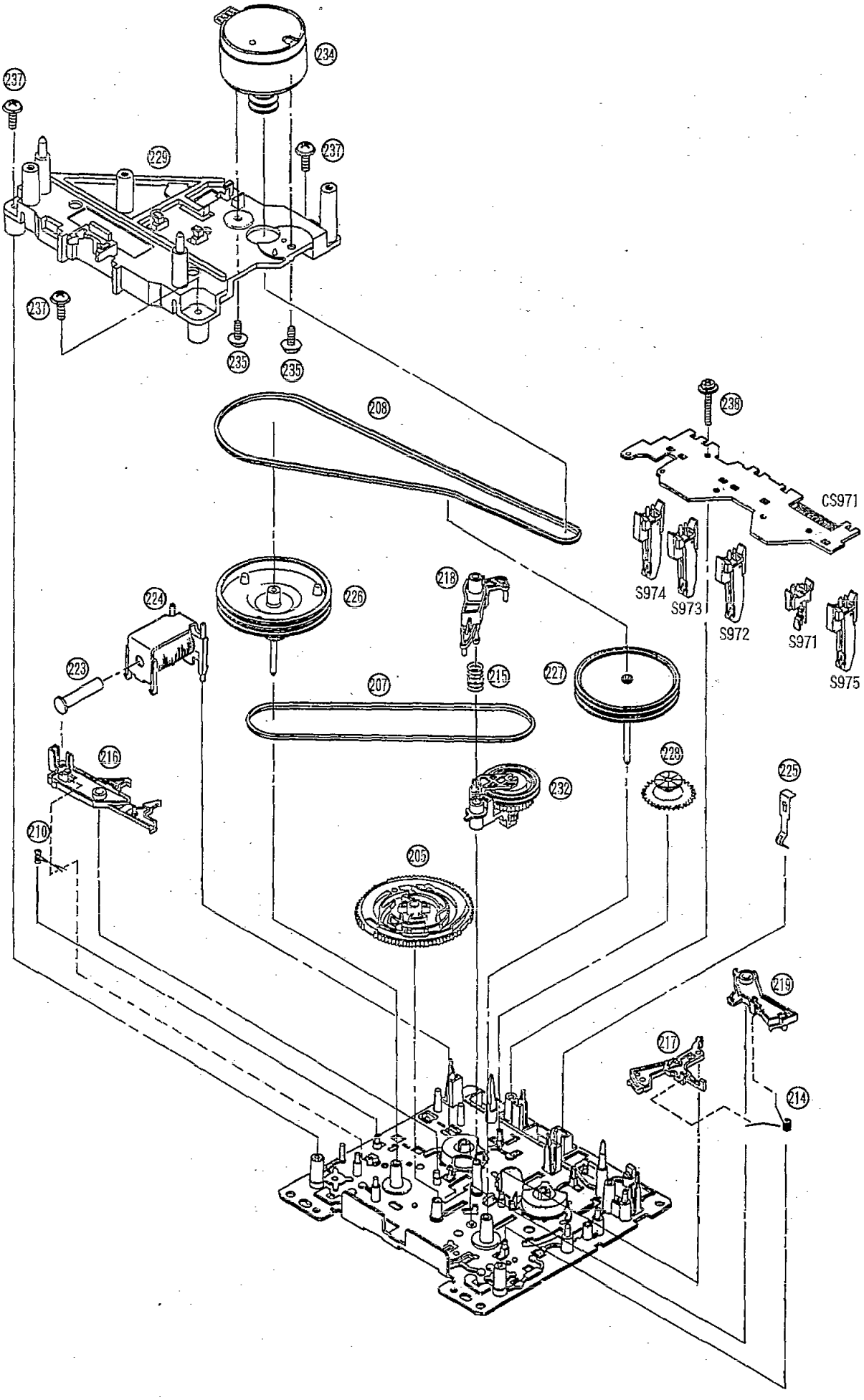
■ Mechanism Parts Location

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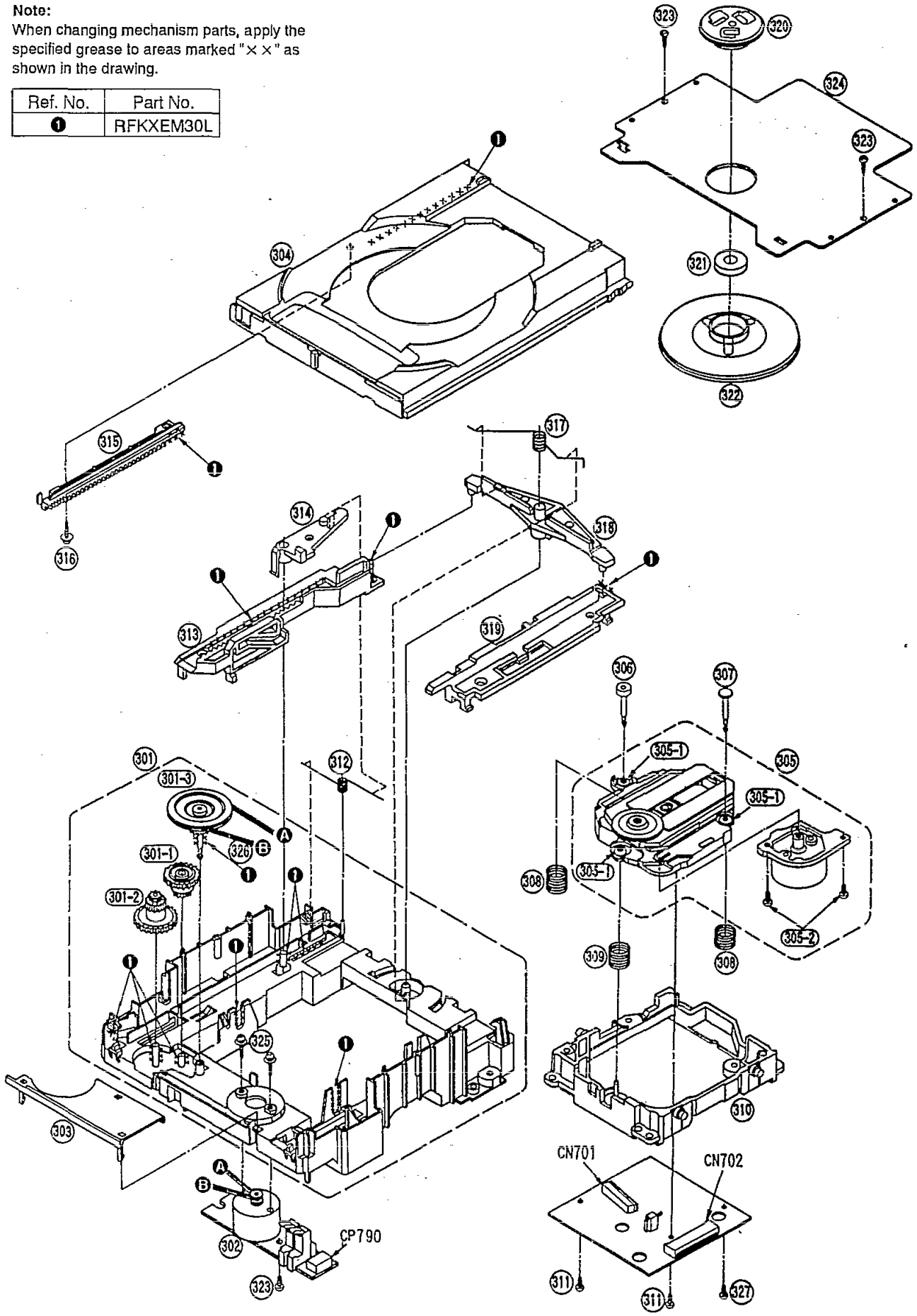
■ Loading Unit Parts Location

Note:
When changing mechanism parts, apply the specified grease to areas marked "× ×" as shown in the drawing.

Ref. No.	Part No.
❶	RFKXEM30L



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